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REPORT

ON THE

SANITARY STATE

OF THE

CITY OF MONTREAL

ALSO

AN ACCOUNT OF THE OPERATIONS OF THE BOARD OF HEALTH AND THE VITAL STATISTICS

FOR THE YEAR 1888

BY

LOUIS LABERGE,
Medical Health Officer

State Historical Society
OF WISCONSIN
MADISON - WIS.

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STATE HISTORICAL SOCIETY
OF WISCONSIN
MADISON, - WIS.

BOARD OF HEALTH.

Members appointed by the City Council, in the month of March, 1888.

ALDERMEN DR. A. GERMAIN, *Chairman*, replaced by
W. CLENDINNENG,

D. TANSEY,

O. GIRARD,

I. GAUTHIER, replaced par
A. ROUSSEAU,

M. J. PERRAULT,

J. GRIFFIN.

33990

STAFF OF THE HEALTH DEPARTMENT.

Doctor L. LABERGE, *Medical Health Officer.*

Public Vaccinators.

Doctor J. E. NOLIN,

Doctor H. DAZÉ, Doctor H. W. COYLE.

ISAIAH C. RADFORD, *Sanitary Inspector.*
J. IGNATIUS FLYNN, *Secretary.* V. H. LEFEBVRE, *Accountant*

Clerks.

T. PLAMONDON, P. R. LABELLE, J. E. DUROCHER
J. E. CODERRE. THOMAS EVRETT, *Office boy.*

Sanitary Police.

JOHN J. MORAN, *Sergeant*, HENRY WARD, *Special*, EDMOND MARCHAND
J. B. CARDINAL, *Special*, TERENCE BUTLER, *Special*, VICTOR GAGNIER
MÉDÉRIC CHAGNON, WILFRID MATHIEU, J. FRANCIS QUINN,
ARSÈNE MILETTE, JACQUES SÉVIGNY, ADOLPHE CATELLIER.
J. EDGAR THÉRIAULT, *Desinfecting Officer.*

City Meat Inspectors. *Meat Inspectors at Abattoirs.*

G. FULLUM, A. HAMALL. B. MCSHANE, A. BAYARD.

Guardians of the Public Baths.

GEO. LESSARD, B. DUNPHY.

To the Chairman and members of the Board of Health.

GENTLEMEN,

The report which I now submit that for the year 1888, is the fourth annual document treating of the sanitary state of the city and containing a *résumé* of the vital statistics, which I have had the honor of presenting to you.

In beginning my report, I cannot do better than quote the encouraging words His Worship Mayor Grenier graciously addressed to the Board of Health in his inaugural speech. These remarks possess the more value on account of the established reputation for honor, probity and justice of him who uttered them, and they show that serious minds appreciate at their just value the work and the efforts of the Board of Health and of the Health Department:

"HEALTH DEPARTMENT."

"Public health is so intimately connected with the prosperity of "the City, that it is a fit subject for our particular attention.

"Upon this Department devolves the duty of promoting by "all possible means the health of the City, and of checking "and preventing the endemic and epidemic diseases to which we "are exposed.

"The operations of the Board of Health during the past year have "been characterized by an earnest and well directed energy, as "will appear by the statistics furnished by the Department.

"During the past year small-pox prevailed in some cities of the "United States and of the Province of Ontario, and even pene-"trated into a certain part of our own province. Yet, although no "interruption occurred in the commercial relations existing "between the infected parts and the City, we were preserved from "the contagion. The good understanding between our Health "Department and the Provincial Board of Health has resulted in "the adoption of precautionary measures so efficacious that the "disease was confined to the spots where it first made its appear-"ance.

"Local causes of disease in the City itself, were speedily removed "wherever found, and the spread of diphtheria, measles, scarlatina "and typhoid fever kept in check by a thorough system of isolation, "placarding and disinfection.

"Vaccination was pursued in a systematic and thorough manner, "and the population thus protected as far as possible from the "danger of contagion in the event of a visitation of small-pox.

"The results of the intelligent and vigourous action of the Board "of Health will be better appreciated by observing the marked "diminution in the class of preventable diseases, notwithstanding

" the fact that our population has considerably increased by annex-
" ation, immigration and natural growth.

" Thus in 1887 there were 1.743 deaths from zymotic diseases,
" while last year there were not more than 1,610; in 1887 the
" mortality from diphtheria was 448, from measles 74 and from
" typhoid fever 101; while last year the deaths from diphtheria
" numbered 427; from measles. 37 and from typhoid fever 94. No
" increase took place in the mortality from diarrhœal diseases.

" Taking into consideration the exceptional difficulties that the
" Board of Health has to encounter, and the want of cöoperation
" on the part of a large number of the people in the enforcement
" of sanitary regulations and the carrying out of sanitary measures,
" the most prejudiced cannot fail to acknowledge that there is
" cause for congratulation in the statement just referred to.

" I trust that during the coming civic year the Council will
" endeavour to furnish to the Board of Health the means necessary,
" not only to perfect the measures already in force, but also to
" enable the Board to carry out still more efficiently the important
" work intrusted to them.

" Last year. our acts of incorporation did not confer sufficient
" power upon the Council in health matters; but the extension of
" authority obtained in the new Charter will, it is to be hoped,
" enable the Health Department to cope successfully with its present
" difficulties."

In order to enable the Health Department to check the progress of contagious diseases, it became necessary to inaugurate new sanitary measures to meet the exigencies that from time to time presented themselves.

Last year, it was rendered obligatory on the part of physicians to make known to the Department the cases of contagious disease confided to their care; nevertheless, it soon became evident that a large number of cases were not reported; certain families having gone so far in seeking to conceal the presence of disease in their midst, as to neglect to call in a physician, preferring to leave the victims without medical succor rather than have the authorities notified of the existence of the cases. In order to remedy this state of things, it became necessary to compel, not only physicians, but also parents, relatives and guardians of persons affected with such diseases, to report the cases to the Department.

Hitherto the disinfection of infected houses was left to the discretion of the occupants; but as they failed to perform the task in a thorough manner or else neglected it entirely, your Board decided to take the work into their own hands, and appointed one of the sanitary officers to devote his time exclusively to the work of disinfection. It then became necessary to secure an asylum for families while their houses were being fumigated, and thus the

residence of the Disinfector was selected for the purpose. This system proved quite satisfactory in all cases.

Your Board was desirous of initiating other important reforms, and seriously entertained many projects but unfortunately the city charter did not provide for them.

The stamping of meat was one of the most important measures projected; for, as has been remarked in our preceding reports, it is the only means of securing a wholesome meat supply.

The sub-committee appointed to draw up rules and regulations concerning house drainage and plumbing, submitted their report to your Board, but nothing could be done until the city charter should be so amended as to authorize the Council to promulgate a by-law containing the provisions indicated in the report.

The limited of the appropriations granted your Board by Council, forbade the putting into operation of other measures, such as the inspection of milk and other articles of food; so they were laid aside until next year.

The work of the Health Department would have been more thorough and more effective, had not its operations been retarded by the fact that the legality of the constitution of the Board of Health was called into question, and even appeal made to the Courts to decide the point. The raising of a similar question occasioned the failure to enforce the regulations of the Provincial Board of Health.

The Health Department having become convinced that the inspection of green hides could not be carried on in the centre of the city without endangering public health, decided to cause the removal of the depots to the abattoirs. Although we have been unable to secure the removal of this industry outside of the city limits, yet it is satisfactory to know that the Courts have ordained the carrying out of such ameliorations as will, no doubt, render those places less dangerous to the localities in which they are established.

PROPOSED AMENDMENTS TO THE CITY CHARTER.

On the 19th of December last, I had the honor to submit the following report to your Board :

GENTLEMEN,

As the question of the city charter is now being discussed by the City Council, I have thought it opportune to recommend the committee appointed to revise the charter to include the following provisions in the section dealing with sanitary measures. as they are of vital importance in the interests of public health :

1. To empower the City to enforce the stamping of meat and to confiscate unstamped meat.

2. To promulgate by-laws regulating house drainage and plumbing.

3. To compel tenants or occupants to make repairs to the properties they occupy, when considered urgent in a sanitary point of view, in cases in which the proprietors are absent from the city ; or to authorize the city to cause such repairs to be made and charge the cost thereof to the estate.

4. To regulate the construction of privies, and to prohibit them on the line of any street in which there is a public sewer, except in cases in which a special permit is granted by the Board of Health.

5. To cause the slaughtering of every animal affected with glanders or any other disease communicable to man upon the certificate of two licensed veterinary surgeons.

6. To render obligatory the reporting to the Health Department of the births of all unbaptised children within one week after birth ; the report to give the following particulars : date of birth, name of the child and the names of the father and mother ; nationality of the parents ; the profession of the father, likewise his residence (street and number).

7. To require a certificate of vaccination for every child having attained the age of three months.

8. To limit the number of cows, dogs, cats, and other domestic and wild animals, or to prohibit the keeping of them ; also to regulate the manner in which they shall be kept ; to prohibit the establishing of my menagerie without the authorization of the Board of Health.

9. To cause the inspection, for sanitary purposes, of dairies, stables, herds of cattle and habitations of milkmen residing outside

the city and supplying milk within the limits of the city; also to grant, suspend or cancel the licenses of milkmen whenever the public safety requires it.

10. To prohibit the collection and distribution of ice not collected according to the directions of the Board of Health and without their permission.

11. To render obligatory the registration of the deaths of persons dying in the city and interred elsewhere, as well as those dying outside the city and interred in the city cemeteries.

12. To render obligatory the transportation to hospital of every case of small-pox, cholera, etc., excepting in cases in which the Medical Health Officer may decide otherwise.

TABLE SHOWING THE NUMBER OF REMISSIONS, REDUCTIONS AND DELAYS GRANTED IN CONNECTION WITH THE PAYMENT OF WATER TAXES, DURING THE YEAR 1888, ON ACCOUNT OF POVERTY AND SICKNESS.

Remissions on account of			Total	Reductions on account of			Total	Delays granted on account of			Total	Applicat's refused	Total
Poverty.	Sickness.	Sanitary * reasons.		Poverty.	Sickness.	Sanitary reasons.		Poverty.	Sickness.	Sanitary reasons.			
124	64	2	190	41	14	8	63	45	138	114	297	41	41

Total	550	applications granted
	41	" refused
	170	" withdrawn
Grand total	761	

* By "sanitary reasons" is meant houses in which water-closets exist.

TABLE showing the nuisances caused to be abated by the Sanitary Police during the year 1888.

MONTHS. 1888	REPORTED IN BAD ORDER.																	CAUSED TO BE PUT IN A SANITARY CONDITION.																
	Drains.	Cellars.	Sinks.	Waste pipes.	Water-closets.	Soil pipes.	Ventilation.	Dirty privies.	Privies in bad order	Priv. to be removed	Wooden slop spouts.	Dirty yards.	Stables.	Accumulations of manure.	Dirty lanes.	Vacant lots.	TOTAL.	Drains.	Cellars.	Sinks.	Waste pipes.	Water closets.	Soil pipes.	Ventilation.	Privies cleaned.	Privies repaired.	Privies removed.	Wooden slop spouts removed.	Yards cleaned.	Stables put in good order.	Manure removed.	Lanes cleaned.	Vacant lots cleaned	TOTAL.
January....	89	26	7	132	28	11	8	79	3	0	1	13	0	1	1	0	399	81	26	6	129	28	10	8	78	3	0	1	13	0	1	1	0	385
February...	60	10	30	99	15	13	5	104	6	1	7	10	1	0	0	0	361	57	10	27	95	15	12	5	103	5	0	4	9	1	0	0	0	343
March	64	40	8	75	10	9	1	201	7	0	2	79	0	2	5	2	505	60	39	7	74	10	8	1	200	6	0	2	79	0	2	5	1	494
April	46	18	10	41	10	23	2	201	7	4	5	336	1	122	39	9	874	41	17	10	40	10	8	2	199	7	3	5	334	1	120	39	9	844
May	75	48	8	52	31	8	9	92	7	6	2	117	3	113	14	33	618	68	45	8	49	29	8	7	88	7	5	2	117	3	112	14	31	593
June.....	80	38	9	50	19	5	14	122	15	64	9	64	12	218	13	18	750	78	36	9	48	18	5	13	119	14	11	9	64	11	216	13	18	682
July	64	27	26	77	15	6	20	177	19	53	22	34	3	210	5	0	758	52	24	21	73	10	3	16	171	17	12	14	34	3	210	4	0	663
August	93	50	36	154	24	12	47	239	13	27	15	32	5	41	6	3	797	81	45	31	124	22	9	35	231	12	12	13	31	3	41	6	2	698
September.	98	46	21	352	24	17	72	192	11	7	25	12	1	67	9	9	963	81	44	14	312	22	15	48	185	6	4	22	12	1	67	9	7	851
October.....	97	44	16	373	35	22	116	201	7	3	9	10	4	38	6	0	981	83	33	10	307	28	21	58	195	4	2	5	6	2	38	6	0	798
November.	79	41	6	238	20	13	41	112	6	7	2	5	2	18	3	0	593	67	29	6	186	15	11	20	103	3	3	1	4	1	18	3	0	470
December..	38	12	0	90	15	9	22	36	1	0	1	3	1	6	1	0	235	24	9	0	49	13	5	13	30	1	0	1	3	0	1	1	0	150
Total.....	883	400	177	1733	246	148	357	1756	102	172	100	715	33	836	102	74	7834	773	357	149	1486	220	115	226	1702	85	52	79	706	26	826	101	68	6971

HOUSES ORDERED TO BE CLOSED.

The proprietors of 22 houses were notified to make the repairs necessary to put their properties in a sanitary condition or else they would be closed up, the result being that 10 were closed up, 8 were put in a sanitary condition and in the other 4 cases, action is still pending in Court.

OVERCROWDING.

Five houses were reported as being overcrowded, and in each case a number of the occupants were compelled to seek lodgings elsewhere.

DIRTY HOUSES.

Twenty-eight houses were found in a dirty condition. The occupants were in all cases compelled to clean them.

PRIVATE SLAUGHTERING

The premises of butchers throughout the city were visited several times, in the day time and at night, in order to prevent private slaughtering. Only six butchers were found contravening the law, four of them being caught in the night time. All the delinquents were fined by the Recorder.

COLLECTION OF ICE.

During the winter the police kept a surveillance over the places where ice was being cut, in order to prevent the cutting of ice in places prohibited by the Board. During the summer, means were taken to prevent ice taken from quarries from being sold in the city.

NAMES OF UNVACCINATED CHILDREN.

During the year, the sanitary police collected the names of 3022 unvaccinated children.

SCAVENGING.

A special surveillance was kept over the scavenging service for the space of 113 days.

STREET GULLIES AND VACANT LOTS.

The sanitary officers made 63 reports to the Road Department concerning offensive street gullies and undrained vacant lots.

NEW HOUSES.

Clause No. 26 of By-Law No. 105 obliges persons intending to erect new buildings not only to notify the Health Department of the fact, but also to send in a copy of the plans and specifications in order to enable the authorities to judge of the nature of the system of drainage and plumbing intended to be adopted. The enforcing of this provision of the by-law was delayed for two years in the hope that the Board would decide to allow the sum of $800 to pay for the services of an architect to attend to this matter. The Board, however, thought proper not to grant the sum asked for. Yet the importance of the provisions of this clause was considered too great to permit of its being allowed to remain a dead letter any longer; and in order not to take those intending to build by surprise, it was decided to publish the following notice in the daily newspapers and to send a copy to every architect, builder and plumber in the city:

HEALTH DEPARTMENT

CITY-HALL.

NOTICE.

Any person building a new house or altering or repairing an old one is required by law to construct the soil pipe from the water-closets, of iron and carry it above the highest point of the roof; it is in no case allowable to connect such pipe with the chimney. Furthermore, it is strictly forbidden to connect a privy pit with any public sewer.

In order to avoid any misunderstanding with the Board of Health, those interested are hereby warned to conform to the following rules which will be comprised in the new by-law concerning plumbing and drainage to be shortly adopted by the City Council:

1.—The use of the style of water-closet known as "pan closet" shall be strictly prohibited.

2.—Every water-closet shall be provided with a flush cistern of at least two gallons capacity with a service pipe of a diameter of at least one inch and a half.

3.—All plumbing and drainage fixtures shall be, so far as possible, so placed as to be permanently exposed to view.

4.—A sufficient number of water-closets shall be placed in every newly built house, when there is a public sewer in the street; when, however, there is no sewer in the street and a privy pit has to be constructed, it shall be necessary to obtain a permit in writing from the Health Department to that effect and to conform to the instructions of the said Department relative to the manner in which such privy shall be built.

5.—When a water-closet exists in any house, the privy, should there be one on the premises, shall be done away with.

6.—The diameter of every house drain shall be from 4 to 6 inches. As to the material, iron is preferable and more economical than tile pipe; and it is better to lay the drain over ground, as defects are then more readily perceived.

No ....

BOARD OF HEALTH.

CITY-HALL.

Montreal, ...188

Location of the house..... ....

Name of the proprietor (*in full*).....Occupation.....

(If it is a widow, her family name.)

Residence..... .....

Materials.....Number of rooms.....

Approximate size..... ....Are there any dark rooms?

.....Number of families or of occupants.....

Foundation. { Staunch ?..... ....

What kind ? ....

Cellar. { What kind of ground ?..... .....Made ground ?.....

Clean or dirty ? ....

Is the floorplanked or cemented ?.....Ventilated or not ?.....

House drain.

- In good order or not ? .....
- What material ?.....Diameter ?.....
- Under ground ?.....About at what depth ?.....
- ..... Fall ?.....
- Where does it empty ? .....
- Trapped ?.....Where ?.....
- Ventilated ?.....How ?.....
- Does it drain the privy pit or only carry off waste and surface water ?.....
- Tested by peppermint or by other tests ?.....

Soil pipe.

- Is there a soil pipe ?.....
- Does it extend above the roof ?.....
- Is its opening near a window or chimney ? .....
- .....Of what material ?.....What diameter ?.....
- Is there a trap ? .....Where ?.....

Waste pipe.

- What Material ?.....Diameter ? .....
- Is it trapped ?.....Where ?.....
- Does it extend above the roof ?.....

Water closets.

- What kind ?.....How kept ? .....
- .....Is it lighted ?.....
- How ?.....Is it ventilated ?.....
- How ?.....What depth of water in basin ?.....
- .....Capacity of reservoir ?.....
- Quantity of water discharged at each flushing ? .....
- Diameter of flush pipe ?.....

Privy.

- How many stories ? .....
- Capacity of pit ?.....
- What kind of walls ?.....Is it staunch ?.....
- Distance from house ?.....
- Height of contents ? .....
- Is it ventilated ?.....
- Drained or not ?.....

Yard.

- Condition ?.....
- How drained ?.....
- Is drain trapped ?.....

Stable.

- What size ?.....
- Number and kind of animals ?.....
- Is it near the house ?.....
- Clean or dirty ? .....Drained or not ?.....
- Condition under flooring ?.....
- Excess of manure ?.....
- Is the manure box staunch ?.....

N.B.—Any particular not herein mentioned which you may consider irregular or contrary to sanitary principles, should be noted, especially when it relates to the urinals, baths, tubs, wash-basins, yards, drains, slop-spouts, in fine, all the connections with the main drain.

....

Sanitary Inspector.

This form being required to be filled up in the case of each building, the health authorities are placed in a position to prevent any contravention of clause 26 of By-Law No. 105. While awaiting the adoption by the City Council of the By-Law concerning house drainage and plumbing the Board could employ no better means than the above to ensure the construction of buildings in accordance with sanitary principles.

ABSENT PROPRIETORS.

Section 29 of By-Law No. 105 reads as follows:

"Any member or officer of the Board of Health shall have "power to ascertain whether, in or upon any building, hotel, house, "lodging house, or dwelling, now or hereafter to be erected in the "city of Montreal, or on any lot of ground or premises in the said "city, the ventilation, drainage, closets, privies, trapping of the "waste pipes and sinks, and the condition of the cellars and any "other arrangement on which health depends, are in such a state "as not to be prejudicial to the health of the inmates; and if not "found in such sanitary condition, according to the judgment of "the said Board of Health, the said Board shall have power to "order the owner of such building or premises to make such work "or repairs, as in their judgment may be deemed necessary, and "to assign the pariod within which such work or repairs shall be "done."

According to the above section, when it becomes necessary to serve notices, the service must be made upon the proprietor himself. But such service becomes impracticable in the case of proprietors absent from the city or in the case of those whose whereabouts is unknown, whether they are travelling or reside elsewhere than in the city. It was formerly the custom to send notices to persons absent from the city, through the post office by means of registered letters; but the legality of such service having been contested before the Recorder's Court, that tribunal decided not to recognize the validity of such notices, directing that in order to be legal the notices should be served personally upon the proprietors or delivered at their domiciles to a reasonable member of the family, and that by a bailiff or other authorized officer. Under this obligation the Department became powerless to cause a number of properties to be put in a sanitary condition or even to cause the removal of certain public nuisances; thus Hochelaga ward has been obliged to suffer for two years past from the exhalations given off by the stagnant water upon an extensive piece of land in that part of the city. Two years ago the project of a by-law respecting absent proprietors was submitted to Council (the draft was published in last year's report), but it has not yet been adopted. By means of the proposed law all difficulties would be overcome by authorizing the sanitary authorities to cause the works judged necessary in the interests of public health, to be carried out and to charge the cost thereof to the proprietors, the property being held as security for the due payment of the expenses incurred. We repeat the hope we expressed last year that the proposed law will receive the immediate sanction of Council in view of its importance and urgency.

Ice.

The Board of Health having for a long time experienced difficulty in controlling the collection of ice outside the city, thought proper to submit the matter to the Provincial Board; and the following resolutions were in consequence adopted by the latter body on the 29th of March, 1888:

"*Extract from the proceedings of a meeting of the Provincial Board held on the 29th March* 1888."

"*Resolved* that the practice of allowing the storing of ice "of inferior quality ostensibly for cooling purposes, constitutes a "danger to public health inasmuch as it is impossible to prevent "its sale for household purposes; and that in a country where it "is so easy to obtain immense stores of pure ice, the municipalities "should adopt and enforce by-laws to prevent the collection, storage "and sale of ice taken from any but the purest sources;

"That the practice of taking ice from the quarries to sell to the "public whether for food purposes or for cooling purposes, is con-"demned by this Board; that all municipalities should prevent "dealers or others from collecting ice from any other source than "running streams, rivers or large lakes; even then, from a place "sufficiently removed from all sources of contamination that it will "be absolutely pure;

"That water which is not fit for drinking in summer, is equally "unfit for use in the form of ice in winter.

MEAT AND ANIMALS CONFISCATED FROM 1st JANUARY 1888 TO 1st JANUARY 1889.

Months.	Bruised beef.	Veal.	Mutton.	Hogs.	Still-Born Calves.
	LBS.				
January	225	5	3	1	18
February	304	4	1	3	62
March	416	42	2	2	24
April	250	54	2	2	65
May	324	28	5	2	35
June	204	28	5	9	27
July	150	16	3	6	16
August	130	4	2	5	29
September	160	5	10	2	10
October	129	1	1	1	6
November	124	1	3	2	6
December	150	0	5	2	0
Total	2566	188	42	37	298

OTHER CONFISCATIONS.

13th April 1888.—56 calves, ill owing to want of care; sold to a butcher by McMillan.

—June 1888.—1 hog affected with measles, 188 lbs.

9th August 1888.—1 Ox, "tuberculous", 545 lbs.

27th September 1888.—1 Ox killed by the cars.

6th October 1888.—1 Ox, 899 lbs., unhealthy.

24th October 1888.—1 Ox, 500 lbs., bruised.

20th November 1888.—1 hog suffering from the itch.

26th December 1888.—1 hog sick.

12th December 1888.—1 hog tainted in the refrigerator.

All the meat and carcasses of animals confiscated during the year were cast into the rendering apparatus in my presence and there completely destroyed.

ALPHONSE BAYARD,
Inspector at Eastern Abattoir.

WESTERN ABATTOIR.

ANIMALS SLAUGHTERED DURING THE YEAR ENDING 31st DECEMBER, 1888.

Week ending:		Cattle.	Sheep.	Calves	Hogs.	Remarks.
January.....7	1888	142	7	5	13	
" 14	"	135	29	9	.....	
" 21	"	136	10	5	.....	
" 28	"	128	12	9	.....	
February.....4	"	107	39	14	.....	
" 11	"	126	10	9	.....	
" 18	"	187	3	18	.....	
" 25	"	95	0	30	.....	
March.....3	"	171	9	11	.....	
" 10	"	89	12	10	.....	
" 17	"	68	10	15	.....	
" 24	"	84	11	126	14	4 calves confiscated.
" 31	"	185	19	136	1022	7 " "
April 7	"	159	10	74	40	A quantity of bruised meat confiscated.
" 14	"	86	3	128	10	
" 21	"	118	26	186	460	5 calves and 1 sheep unfit for food confiscated.
" 28	"	143	16	279	862	1 calf confiscated.
May..... 6	"	177	25	222	921	2 calves confiscated.
" 13	"	194	53	311	1014	
" 19	"	218	198	346	820	4 calves confiscated.
" 26	"	185	143	208	760	7 " "
June 2	"	166	134	251	1120	
" 9	"	217	248	327	904	2 calves confiscated.
" 16	"	228	403	278	807	
" 23	"	248	286	175	760	1 ox condemned, being tuberculous.
" 30	"	210	476	205	1240	
July 7	"	285	629	154	830	2 lambs confiscated.
" 14	"	298	654	139	900	
" 21	"	324	577	108	860	11 calves "
" 28	"	284	565	109	724	3 " bruised.
August..... 4	"	316	267	88	940	
" 11	"	281	680	35	1340	1 hog sick with fever confiscated.
" 18	"	314	637	34	1210	
" 25	"	326	629	34	832	1 calf confiscated.
September ... 1	"	268	942	32	940	24 sheep "
" ... 8	"	332	842	30	760	
" ...15	"	300	722	19	904	1 heifer bruised "
" ...22	"	264	625	13	1140	
" ...29	"	308	569	9	1440	2 sheep bruised "
October 6	"	313	600	14	1310	A quantity bruised meat confiscated.
" 13	"	300	649	13	900	
Total.....		8515	11789	4218	25977	

ANIMALS SLAUGHTERED AT THE WESTERN ABATTOIR.—*Continued.*

Week ending.	Cattle.	Sheep	Calves	Hogs.	Remarks.
Brougt forward...	8515	11789	4218	25977	
October..... ..20 "	257	396	28	760	1 heifer bruised confiscated.
" .....27 "	241	504	19	1120	
November..... 3 "	179	298	25	470	
" .....10 "	254	283	14	720	1 calf confiscated.
" .....17 "	196	511	14	910	
" .....24 "	353	484	18	420	A quantity of bruised meat confiscated.
December..... 1 "	230	207	17	640	
" ..... 8 "	230	333	8	750	
" .....15 "	171	817	12	320	
" .....22 "	187	544	19	240	
" .....29 "	73	246	4	111	
Total.....	10886	16412	4396	32438	

BRYAN McSHANE,
Inspector at Western Abattoir.

EASTERN ABATTOIR

ANIMALS SLAUGHTERED FROM 1st JAUARY 1888
TO 1st JANUARY 1889.

1888	Date.	Cattle.	Sheep.	Calves.	Hogs.
January	7	215	62	6	
"	14	278	188	8	
"	21	255	65	3	
"	28	233	133	6	
February	5	204	23	9	166
"	12	223	82	22	
"	19	132	16	16	
"	26	208	89	31	
March	3	147	5	12	
"	10	164	10	20	
"	17	159	8	8	33
"	24	123	24	66	
"	31	292	126	226	
April	7	106	14	134	228
"	14	204	56	320	
"	21	246	128	369	
"	28	278	105	583	60
May	5	293	185	566	
"	12	243	192	490	
"	19	297	338	694	
"	26	220	412	320	
June	2	258	378	393	
"	9	271	556	458	
"	16	287	642	403	
"	23	237	610	345	
"	30	196	645	307	
July	7	263	928	220	
"	12	355	1118	283	
"	19	339	866	149	
"	26	381	924	132	
August	4	328	1263	172	
"	11	313	1030	98	
"	18	389	1010	56	
"	25	440	889	76	
September	1	397	1254	31	
"	8	448	1431	52	
"	15	436	1065	28	
"	22	381	1172	36	
"	29	389	1047	30	
Total		10628	19089	7178	487

ANIMALS SLAUGHTERED AT THE EASTERN ABATTOIR.—*Continued*

Month.	Date.	Cattle.	Sheep.	Calves.	Hogs.
Brought forward....		10628	19089	7178	487
October	3	427	1037	22	211
"	10	499	1048	12	34
"	17	450	1153	35	237
"	24	614	1643	18	58
December.....	1	737	741	6	
"	8	417	721	15	
"	15	505	622	11	
"	22	444	684	11	842
"	29	120	166	7	91
Total		14841	26904	7315	1960

N. B.—All the above animals were inspected before and after being killed.

REMOVAL OF DEAD ANIMALS.

1888	Horses	Cattle.	Calves.	Sheep.	Hogs.	Goats.	Dogs.	Cats.	Fowl.	Fish	Tainted meat.	Entrails.	Outside the city. Horses.	Outside the city. Cattle.
January	53	1	.....	...	...	3	18	29	2	...	...	...	6	2
February	57	2	1	...	1	4	28	20	1	1	2	...	3	.....
March	50	6	7	1	1	4	50	70	4	1	2	...	4	.....
April	61	5	61	..	3	9	148	161	15	12	5	...	.....	.....
May	53	5	14	4	2	6	256	312	7	25	14	3	6	1
June	195	15	7	2	22	3	153	219	3	16	12	1	7	3
July	65	12	5	6	1	1	175	261	6	12	4	...	8	1
August.....	65	15	1	4	2	5	106	114	3	5	7	2	5	3
September.....	72	10	2	5	1	...	72	57	2	5	7	...	6	5
October.....	80	9	.....	4	...	6	61	32	...	4	...	...	7	6
November.....	59	13	1	4	...	...	46	45	2	...	3	...	6	.....
December.....	62	5	2	1	2	3	32	34	3	...	1	...	3	.....
	872	98	101	31	35	44	1145	1384	48	81	57	6	61	21

STATEMENT SHOWING THE QUANTITY OF

1888	Hochelaga.		St. Mary's.		St. James.		St-Louis.		St. Lawr'ce		St.Antoine.	
	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.
January	2	217	4	210	8	510	16	1129	3	234	8	575
Febru'ry	1	60	12	992	20	1638	20	1725	5	840	7	1770
March...	6	345	14	1203	17	1522	32	2337	8	853	27	5427
April ...	6	453	15	1324	18	1322	17	1057	6	279	30	2748
May.....	3	149	18	1229	25	1562	29	1851	22	1872	38	2586
June.....	3	239	18	1242	20	1607	35	2573	28	1981	22	1717
July.....	6	424	37	2597	31	1704	47	2905	24	1571	51	3975
August..	12	687	24	1766	34	1793	52	2649	33	3955	48	3197
Sept.....	8	453	29	1849	32	2239	23	1253	17	981	29	1928
October	3	206	27	1618	42	2805	44	2927	17	1189	32	1957
Nov	7	780	10	773	23	1384	29	2116	12	853	28	2366
Dec.....	1	36	11	634	8	658	6	751	5	338	9	984
	58	4049	219	15437	278	18744	350	23273	180	14946	329	29230

NIGHT-SOIL REMOVED FROM EACH WARD.

St. Anns.		West.		Centre.		East.		St-Jean-Bte		St-Gabriel.				Total.	
No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	No. of pits.	No. of cubic feet.	Conn'ted with the sewer.	Not drained.	No. of pits.	No. of cubic feet.
15	1210	.....	.....	.....	.....	2	330	.....	.....	1	200	20	39	59	4615
29	2640	1	124	.....	.....	.....	.....	15	943	2	184	25	81	112	10916
32	3088	.....	.....	.....	.....	1	36	2	90	.....	.....	61	78	139	14901
60	5485	.....	.....	1	36	3	313	.....	.....	4	483	59	101	160	13500
17	1398	1	198	.....	.....	3	360	8	438	17	919	49	131	181	12562
15	1247	.....	.....	3	524	6	549	10	697	5	379	68	97	165	12755
26	1661	.....	.....	2	19	5	387	11	429	4	515	100	143	244	16360
22	1173	1	56	.....	.....	2	218	41	1544	6	229	77	200	275	17267
19	1786	1	108	.....	.....	3	391	31	1198	33	1597	73	150	225	13783
47	4748	1	40	.....	.....	1	175	12	844	22	1555	74	174	248	18064
45	3698	.....	.....	1	36	2	356	5	283	17	890	43	140	179	13535
29	4081	.....	.....	.....	.....	3	376	1	95	8	407	27	58	81	8360
356	32215	5	526	7	788	31	3491	136	6561	119	7358	676	1398	2068	156618

ABOLITION OF PRIVY PITS.

The abolition of privy pits and the substitution of water-closets in their stead had been for a long time upon the programme of improvements which your Board proposed to carry out; and this year, notwithstanding the imperfection of our laws upon this important point, the Sanitary Inspector, as also the other inspectors, entered upon a vigourous campaign against privy pits with the object of having them replaced by water-closets. The following table gives the results of their efforts up to the 1st of January, 1889.

Although these results have not been very brilliant, yet they serve to show that with time and a more favorable legislation, the desired change can be effected without trouble.

	Privy pits abolished.	Water-closets put in.
St-Gabriel Ward.....	6	15
St-Ann's "	10	34
St-Antoine "	33	125
St-Lawrence "	19	72
St-Jean-Bte "	6	90
West "	3	5
Centre "	3	90
East "	4	2
St-Louis "	15	58
St-James "	20	161
St-Mary's "	10	178
Hochelaga "	7	51
	136	881

BY-LAW No. 155.

In order to render the adoption of water-closets more general in private residences, the Council passed By-law No. 155 exempting from tax the water-closets in all houses the assessment of which is based upon a rental of $150 and under. The law reads, as follows:

It is ordained and enacted by the said Council as follows:

Section 1.—Section 20 of by-law No. 65 passed by the said Council on the 29th day of April 1873, and entitled: "*By-law to provide for the care and management of the Montreal Water Works, and to establish a tariff of water rates*," is amended by adding to it the following proviso:

"Provided that in all cases of tenants or occupants of dwelling houses assessed on a yearly rental of one hundred and twenty dollars or under, the said rates shall be payable every year in two instalments, viz: on the fifteenth August and fifteenth November.

Section 2.—Section 23 of the said by-law No. 65 and Section 2 of by-law No 126, passed on the 9th August 1880, and entitled: "by-law to regulate the discount on taxes," are repealed and replaced by the following which shall form part of the said by-law No 65, under Section 23:

"A discount of five per cent shall be allowed to all water tenants who will pay in one instalment the whole of the said rates on or before the fifteenth August in each and every year."

Section 3—The article headed "*Water Closets*," in the schedule or tariff annexed to the said by-law No. 65, is amended by adding to it the following:

"In dwelling houses or tenements assessed on a yearly rental of one hundred and fifty dollars or under, no charge shall be made for water closets; provided that the exemption thus granted, shall not be held as depriving the City from the right to cut off the supply of water in all cases of non-payment of the ordinary annual water rates."

Under these circumstances it became urgent for the Board to see to the perfect ventilation of the water-closets, and it was thought best to enforce sec. 47 of the By-law concerning buildings, which requires the extending of the soil pipe through the roof.

BY-LAW No. 107.

By-law to regulate the construction of buildings and to prevent accidents by fire.

Sec : 47. In all buildings wherein a soil pipe shall be placed, such pipe shall be made of lead or iron, well secured and tightly jointed, and a connection pipe shall also be made and provided to extend vertically in an upward direction until it passes through the roof of such buildings so as to vent in the open air.

STATEMENT SHOWING THE EXPENDITURE INCURRED FOR SANITARY PURPOSES DURING THE YEAR 1888.

NATURE OF APPROPRIATIONS.	Appropriation.	Expen're.		Over expen're.		Under expen're	
Staff	16,632	16,571	88			60	12
Miscellaneous :							
Removal and incineration of offal	45,010	45,010	60		60		
Incineration of night-soil	8,000	8,000					
Maintenance of hospital	1,500	1,761	92	261	92		
Vaccination	1,200	1,200					
Purchase of vaccine	300	230	68			69	32
Disinfectants	350	260	67			89	33
Maintenance of baths	550	578	02	28	02		
Registration of births	300	326	35	26	35		
House of refuge	200	184	82			15	18
Uniform for police	500	365	54			134	46
Hire of vehicles for Sanitary Inspector and for Disinfector	950	908	96			41	04
Removal of dead animals	200	50				150	
Contingent fund	400	712	01	312	01		
	76,092	76,161	45	628	90	559	45
Extra expenditure		69	45				
		76,092					

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-ANN'S WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Ann	4	.....	.....	.....	1	.....	.....
Aqueduc, to 160	.....	.....	.....	.....	.....	.....	.....
Barré	3	2	1	.....	1	.....	.....
Basin	1	.....	.....	.....	.....	.....	.....
Brennan	.....	.....	.....	.....	.....	.....	.....
Britannia	.....	.....	.....	.....	.....	.....	.....
Bourgeois	.....	.....	.....	.....	.....	.....	.....
Canal	.....	.....	.....	.....	.....	.....	.....
Canning, to 27	.....	.....	.....	.....	.....	.....	.....
Centre, to 187	10	.....	1	.....	.....	.....	.....
Chaboillez, to 14	1	.....	.....	.....	.....	.....	.....
Chaboillez (square) even numbers	.....	.....	.....	.....	.....	.....	.....
Chatham, to 27	.....	.....	.....	.....	.....	.....	.....
Colborne	8	.....	1	.....	1	1	.....
College	5	.....	.....	.....	1	.....	.....
Common, above 43	.....	.....	.....	.....	.....	.....	.....
Condé	1	.....	.....	.....	1	.....	.....
Congregation	6	.....	.....	1	2	.....	.....
Conway	4	.....	.....	.....	.....	.....	.....
Dalhousie	8	.....	.....	1	3	.....	.....
Duke	3	.....	.....	.....	2	.....	.....
Dupré (lane)	5	.....	.....	.....	.....	.....	.....
Eleanor	1	.....	.....	.....	.....	.....	.....
Farm	4	.....	.....	.....	.....	.....	.....
Favard	.....	.....	.....	.....	.....	.....	.....
Forfar	7	.....	.....	.....	2	.....	.....
Grand-Tronc, to 155	3	.....	1	1	1	.....	.....
Grey Nun	.....	.....	.....	.....	.....	.....	.....
Hunter	1	.....	.....	.....	.....	.....	.....
Inspecteur, 2 to 46	.....	.....	.....	.....	.....	.....	.....
King	.....	.....	.....	.....	.....	.....	.....
Manufacturers, (Little)	4	.....	.....	.....	.....	.....	.....
De l'Ecluse (lane)	.....	.....	.....	.....	.....	.....	.....
Longueuil, (lane)	.....	.....	.....	.....	.....	.....	.....
Lusignan, 1, 2, 3	.....	.....	.....	.....	.....	.....	.....
Magdalen, 2 to 190, 1 to 209	5	.....	.....	.....	2	.....	.....
Manufacturers, to 76	1	.....	.....	.....	1	.....	.....
Maple (avenue)	.....	.....	.....	.....	.....	.....	.....
McCord	3	.....	.....	.....	.....	.....	.....
McGill, even numbers to 214	.....	.....	.....	.....	.....	.....	.....
Menai	.....	.....	.....	.....	.....	.....	.....
Mill	.....	.....	.....	.....	.....	.....	.....
Mondelet	.....	.....	.....	.....	.....	.....	.....
	88	2	4	3	18	1	.....

CONTAGIOUS DISEASES, ST-ANN'S WARD.—*Continued.*

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	88	2	4	3	18	1	.....
Montmorenci	3	.....	.....	.....	.....	.....	.....
Mullins, to 134	.....	.....	.....	.....	2	.....	.....
Murray	5	.....	1	.....	.....	.....	.....
Notre-Dame, even numbers above 1842	.....	.....	.....	.....	.....	.....	.....
Nazareth	5	.....	.....	.....	3	.....	.....
Olier	2	.....	.....	.....	.....	.....	.....
Ottawa	12	.....	.....	.....	1	.....	.....
Payette	1	.....	.....	1	1	.....	.....
Pichette	1	.....	1	.....	.....	.....	.....
Prince	2	.....	.....	.....	1	.....	.....
Queen	.....	.....	.....	.....	1	.....	.....
Richardson, to 163	3	.....	.....	.....	5	.....	.....
Richmond, to 271	7	.....	.....	.....	2	.....	.....
Sebastopol	.....	.....	.....	.....	1	.....	.....
Seigneurs, to 283	.....	.....	.....	.....	.....	.....	.....
Seminary	.....	.....	.....	.....	.....	.....	.....
Shannon	4	.....	.....	.....	.....	.....	.....
Shearer	1	.....	.....	.....	.....	3	.....
Smith	.....	.....	.....	.....	.....	.....	.....
Speirs (lane)	.....	.....	.....	.....	.....	.....	.....
St-Agnes	4	.....	.....	.....	.....	.....	.....
St-Augustin	.....	.....	.....	.....	.....	.....	.....
St-Colomban	.....	.....	.....	.....	1	.....	.....
St-Etienne	1	.....	1	.....	1	.....	.....
St-Francis, 11 to 33	.....	.....	.....	.....	.....	.....	.....
St-Henry	.....	.....	.....	.....	1	.....	.....
St-Henry (lane)	.....	.....	.....	.....	.....	.....	.....
St-Martin, to 83	5	.....	.....	.....	.....	.....	.....
St-Martin (lane)	.....	.....	.....	.....	.....	.....	.....
St-Maurice	7	.....	.....	.....	2	.....	.....
St-Patrick, to 226	1	.....	1	2	1	.....	.....
St-Thomas	.....	.....	.....	.....	.....	.....	.....
Tar (lane)	.....	.....	.....	.....	.....	.....	.....
Versailles, 1 to 18	.....	.....	.....	.....	.....	.....	.....
Wellington, to 600	6	.....	.....	.....	3	.....	.....
William	7	.....	2	.....	6	.....	.....
Young	1	.....	.....	.....	.....	.....	.....
Total	166	2	10	7	50	4	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-ANTOINE WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Albert	5	.....	.....	.....	1	.....	.....
Albert (avenue)	.....	.....	.....	.....	.....	.....	.....
Albert (lane)	2	.....	1	.....	.....	.....	.....
Aqueduct	6	.....	.....	.....	2	.....	.....
Argyle (avenue)	2	.....	.....	.....	1	.....	.....
Aylmer	2	.....	.....	1	5	.....	.....
Bannockburn (avenue)	3	.....	.....	.....	.....	.....	.....
Bayle	2	...	.....	.....	.....	.....	.....
Beaver Hall (Hill)	.....	.....	.....	.....	.....	.....	.....
Beaver Hall (Square)	.....	.....	.....	.....	.....	.....	.....
Beaver Hall (Terrace)	.....	.....	.....	.....	.....	.....	.....
Belmont	.....	.....	.....	.....	3	.....	.....
Berthelet, above 49	.....	.....	.....	.....	.....	.....	.....
Bishop	7	.....	.....	.....	.....	.....	.....
Bishop (avenue)	.....	.....	.....	.....	.....	.....	.....
Bisson	.....	.....	.....	.....	.....	.....	.....
Blache (lane)	.....	.....	.....	.....	.....	.....	.....
Bruchési	1	.....	.....	.....	.....	.....	.....
Brunswick	1	.....	.....	.....	.....	.....	.....
Buckingham	.....	.....	.....	.....	.....	.....	.....
Burnside	.....	.....	.....	.....	.....	.....	.....
Busby (lane)	2	.....	.....	.....	.....	.....	.....
Canning, above 41	8	.....	1	.....	5	.....	.....
Carleton	.....	.....	.....	.....	.....	.....	.....
Cathcart	1	.....	1	.....	1	.....	.....
Cathedral	1	.....	.....	.....	2	.....	.....
Chaboillez, above 19	2	.....	.....	.....	2	.....	.....
Chaboillez (square), Odd numbers	.....	.....	.....	.....	1	.....	.....
Chatham, above 70	8	.....	.....	.....	2	.....	.....
Chomedy	.....	.....	.....	3	.....	.....	.....
City Councillors, even numbers	.....	.....	.....	.....	1	.....	.....
Closse	.....	.....	.....	.....	.....	.....	.....
Côte des Neiges	.....	.....	.....	.....	.....	.....	.....
Coursol	7	.....	.....	.....	.....	.....	.....
Craig, above 742	.....	.....	.....	.....	1	.....	.....
Crescent	.....	.....	.....	.....	.....	.....	.....
Cypress	.....	.....	.....	.....	.....	.....	.....
Delisle	6	.....	.....	.....	.....	.....	.....
Desrivières	2	1	.....	.....	4	.....	.....
Desrivières (avenue)	5	.....	.....	.....	.....	.....	.....
Dominion, above 52	.....	.....	.....	.....	.....	.....	.....
Dominion (square)	.....	.....	.....	.....	.....	.....	.....
Donegana	.....	.....	.....	.....	2	.....	.....
	73	1	3	4	32	.....	.....

CONTAGIOUS DISEASES, ST-ANTOINE WARD.—*Continued.*

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	73	1	3	4	33	.....	.....
Dorchester, above 774	3	.....	1	.....	3	.....	.....
Drummond	.....	.....	.....	.....	2	.....	.....
Dubrûle (lane)	.....	.....	.....	.....	.....	.....	.....
Durocher, even numbers	.....	.....	1	1	.....	.....	.....
Edge Hill (avenue)	.....	.....	.....	.....	.....	.....	.....
Elm (avenue)	.....	.....	.....	.....	.....	.....	.....
Essex (avenue)	.....	.....	.....	.....	.....	.....	.....
Evans Court	.....	.....	.....	.....	.....	.....	.....
Forgue (avenue)	.....	.....	.....	.....	.....	.....	.....
Fort	1	.....	.....	.....	.....	.....	.....
Fournier	.....	.....	.....	.....	.....	.....	.....
Fulford	3	.....	.....	.....	4	.....	.....
Groulx (lane)	.....	.....	.....	.....	.....	.....	.....
Guy, above 151	4	.....	.....	.....	1	.....	.....
Guy (avenue)	.....	.....	.....	.....	.....	.....	.....
Hanover	.....	.....	.....	.....	1	1	.....
Hutchison	.....	.....		.....	.....	.....	.....
Inspecteurs, above 46	.....	.....	.....	.....	1	.....	.....
Jubilee (lane)	1	.....	.....	.....	.....	.....	.....
Lagauchetière, above 730	.....	.....	.....	.....	1	.....	.....
Larin (avenue)	.....	.....	.....	1	.....	.....	.....
Latour	1	.....	.....	.....	2	.....	.....
Leclerc (lane)	2	1	.....	.....	.....	.....	.....
Leroux (lane)	6	3	.....	.....	1	.....	.....
Lincoln (avenue)	2	.....	.....	1	.....	.....	.....
St-Antoine (Little)	.....	.....	.....	.....	.....	.....	.....
Lorne (avenue)	3	.....	.....	.....	.....	.....	.....
Lorne Crescent	.....	.....	.....	.....	.....	.....	.....
Lusignan, above 5	7	.....	.....	.....	.....	.....	.....
Macgregor	.....	.....	.....	.....	.....	.....	.....
Mackay	1	.....	1	.....	1	.....	.....
Mansfield	.....	.....	.....	.....	.....	.....	.....
Maple (avenue)	.....	.....	.....	.....	.....	.....	.....
McGill College (avenue)	.....	.....	.....	.....	.....	2	.....
McGill, 226 to 240	.....	.....	.....	.....	.....	.....	.....
McTavish	1	.....	.....	.....	2	.....	.....
Metcalfe	1	.....	.....	1	.....	1	.....
Metcalfe (avenue)	.....	.....	.....	.....	.....	.....	.....
Milton	1	.....	.....	.....	.....	1	.....
Monette (lane)	.....	.....	.....	.....	.....	.....	.....
Mayor, 60 to 70	.....	.....	.....	.....	1	.....	.....
Morland	.....	.....	.....	.....	.....	.....	.....
Mountain	9	.....	.....	1	3	3	.....
Mount St. Mary (avenue)	.....	.....	.....	.....	.....	.....	.....
	119	5	6	9	55	8	.....

CONTAGIOUS DISEASES, ST. ANTOINE WARD.—*Continued.*

Streets.	Diphtheria.	Croup Diphtheria.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	119	5	6	9	55	8	.....
Notre-Dame, above 1849, even numbers	12	2	.....	.....	9	.....	.....
O'Leary (avenue)	.....	.....	.....	.....	.....	.....	.....
Olivier	.....	.....	.....	.....	.....	.....	.....
Ontario (avenue)	.....	.....	.....	.....	.....	.....	.....
Osborne	.....	.....	.....	.....	1	.....	.....
Overdale (avenue)	1	.....	.....	.....	.....	.....	.....
Oxenden (avenue)	.....	.....	.....	.....	.....	.....	.....
Paxton (avenue)	.....	.....	.....	.....	.....	.....	.....
Pea (lane)	.....	.....	.....	.....	.....	.....	.....
Peel	2	1	.....	.....	1	.....	.....
Phillip's place	1	.....	.....	.....	.....	.....	.....
Phillip's square	.....	.....	.....	.....	.....	.....	.....
Pine (avenue)	.....	.....	.....	.....	.....	.....	.....
Plymouth Grove	1	.....	.....	.....	.....	.....	.....
Poële (lane)	.....	.....	1	.....	1	1	.....
Prince Arthur	.....	.....	.....	.....	1	1	.....
Quesnel	1	.....	.....	.....	.....	.....	.....
Railway Track	.....	.....	.....	.....	.....	.....	.....
Redpath	.....	.....	.....	.....	.....	.....	.....
Richmond, above 281	1	.....	2	.....	2	.....	.....
Richmond (avenue)	.....	.....	.....	.....	.....	.....	.....
Richmond square	1	.....	.....	.....	2	.....	.....
Rolland	4	1	1	.....	.....	.....	.....
Roy (lane)	1	.....	.....	.....	.....	.....	.....
School House	.....	.....	.....	.....	.....	.....	.....
Seigneurs, above 292	9	.....	1	.....	5	.....	.....
Sherbrooke, above 734	1	.....	.....	.....	1	1	.....
Shuter	.....	.....	.....	3	3	.....	.....
Simpson	1	.....	.....	.....	.....	.....	.....
St. Alexander even numbers	4	.....	.....	.....	1	.....	.....
St. Antoine	1	.....	.....	.....	5	1	.....
St. Catherine, above 2146	14	.....	.....	.....	6	2	.....
St. David, (lane)	1	.....	.....	.....	.....	.....	.....
St. David's place	.....	.....	.....	.....	.....	.....	.....
St. Felix	.....	1	.....	.....	1	4	.....
St. Genevieve	.....	.....	.....	.....	1	.....	.....
St. James, above 284	10	.....	2	.....	13	.....	.....
St. Leon, (lane)	1	.....	.....	.....	.....	.....	.....
St. Luke	1	.....	.....	1	.....	.....	.....
St. Margaret	3	.....	.....	.....	1	.....	.....
St. Mark	1	.....	.....	.....	1	.....	.....
St. Martin, above 85	5	.....	.....	.....	3	.....	.....
St. Mathew	.....	.....	.....	.....	.....	.....	.....
St. Michael (lane)	.....	.....	.....	.....	.....	.....	.....
	207	10	13	13	113	18	.....

CONTAGIOUS DISEASES, ST. ANTOINE WARD.—*Continued.*

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	207	10	13	13	114	18	.....
St-Monique	1	.....	.....	.....	.....	1	.....
St-Sophia	.....	.....	.....	.....	.....	.....	.....
Stanley	1	.....	.....	.....	2	.....	.....
Sussex	.....	.....	.....	.....	1	.....	.....
Thistle, Terrace	.....	.....	.....	.....	.....	.....	.....
Torrance	6	.....	.....	.....	.....	.....	.....
Tower, (avenue)	.....	.....	.....	.....	.....	.....	.....
Trudel, (lane)	.....	.....	.....	.....	.....	.....	.....
Tupper	1	.....	.....	.....	.....	.....	.....
Union, (avenue)	4	.....	.....	.....	1	1	.....
University	1	.....	.....	.....	1	.....	.....
Versailles, above 22	.....	.....	.....	.....	1	.....	.....
Victoria	2	.....	.....	.....	.....	.....	.....
Victoria Sq. to 86 and odd Nos from 25 to 49	.....	.....	.....	.....	.....	.....	.....
Windsor	.....	.....	.....	.....	.....	.....	.....
Workman	2	.....	.....	.....	2	.....	.....
Wood, (avenue)	.....	.....	.....	.....	.....	.....	.....
Total	225	10	13	13	122	20	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-LAWRENCE WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Anderson	2	.....	.....	.....	.....	.....	.....
Arcade	.....	.....	.....	.....	.....	.....	.....
Bagg	.....	.....	.....	.....	.....	.....	.....
Balmoral	6	.....	.....	.....	2	.....	.....
Beauchamp (avenue)	.....	.....	.....	.....	.....	.....	.....
Berthelet	1	.....	.....	.....	1	.....	.....
Bleury	15	.....	2	.....	3	.....	.....
Bronsdon (lane)	3	.....	.....	.....	.....	.....	.....
Chenneville	3	.....	.....	.....	2	.....	.....
City Councillors odd number	.....	.....	.....	.....	.....	.....	.....
Clarke	.....	.....	.....	.....	.....	.....	.....
Concord	.....	.....	.....	.....	.....	.....	.....
Cotté	.....	.....	.....	.....	.....	.....	.....
Craig, odd numbers 511 to 713	2	.....	.....	.....	2	.....	.....
Devienne	1	.....	.....	.....	2	.....	.....
Dorchester, 566 to 758	5	.....	.....	.....	.....	.....	.....
Dowd	.....	.....	.....	.....	1	.....	.....
Durocher odd numbers	1	.....	.....	.....	.....	.....	.....
Evans	.....	.....	.....	.....	.....	.....	.....
Guilbaut	.....	.....	.....	.....	.....	.....	.....
Hermine	4	.....	.....	.....	1	.....	.....
Josephine (lane)	1	.....	.....	.....	.....	.....	.....
Jurors	6	.....	.....	.....	2	.....	.....
Lagauchetière, 541 to 753	1	.....	.....	.....	1	.....	.....
Mance	2	.....	.....	.....	.....	.....	.....
Mayor, 2 to 57	.....	.....	.....	.....	.....	.....	.....
Mignonne, from 1368	6	.....	1	.....	.....	.....	.....
Milton	1	.....	.....	.....	.....	1	.....
Mitcheson	.....	.....	.....	.....	.....	.....	.....
Moulton (avenue)	.....	.....	.....	.....	.....	.....	.....
Ontario from 1682	2	.....	.....	1	1	.....	.....
Park (avenue)	6	.....	.....	.....	.....	.....	.....
Pine (avenue)	.....	.....	.....	.....	.....	.....	.....
Plateau	.....	.....	.....	.....	.....	.....	.....
Plateau (avenue)	.....	.....	.....	.....	.....	.....	.....
Platt	.....	.....	.....	.....	.....	.....	.....
Sherbrooke, 537 to 733	1	.....	.....	1	.....	.....	.....
St-Alexander, odd numbers	3	.....	.....	.....	3	.....	.....
St-Bernard	1	.....	.....	.....	.....	.....	.....
St-Catherine, 1919 to 2143	3	.....	.....	.....	3	.....	.....
St-Charles-Borromeo	9	1	.....	3	7	.....	.....
St-Edward	2	.....	.....	.....	.....	.....	.....
St-Famille	2	.....	.....	.....	.....	.....	.....
	89	1	3	5	31	1	.....

CONTAGIOUS DISEASES, ST-LAWRENCE WARD.—*Continued.*

Streets	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	89	1	3	5	31	1	.....
St-George	5	.....	1	1	1	1	.....
St-Lawrence, odd numbers to 712	6	1	3	.....	2	.....	.....
St-Phillip	1	.....	1	.....	2	.....	.....
St-Urbain	22	.....	.....	6	13	.....	.....
Theatre (lane)	.....	.....	.....	.....	.....	.....	.....
Vallée	1	.....	.....	.....	1	.....	.....
Vitré, 105 to 189	2	.....	.....	.....	.....	.....	.....
White (lane)	1	.....	.....	.....	.....	.....	.....
Winning	.....	.....	.....	.....	.....	.....	.....
Total	127	2	8	12	50	2	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. LOUIS WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Albinà	1						
Berard			2				
Boyer		1					
Brunet							
Cadieux, 2 to 255	5				6		
Charbonneau							
Charlotte							
Courville				1			
Craig, odd numbers 363 to 507	1	1					
Dorchester, 429 to 551	1		1	2	1		
Drolet, 1 to 183	3		3		1		
Dubord, from 101							
Dufaulx							
Dumarais							
Elizabeth Terrace							
Ernest	1						
Fortier	1						
German	4	2	3		2		
Grothe					3		
Laberge (lane)							
Lagauchetière, 387 to 538				1			
Lagauchetière (lane)							
Laval avenue, to 272	2		1				
Leduc (lane)					2		
Leo XIII							
Marie Louise, Avenue	1						
Market (square)							
Mignonne, 1208 to 1362	2						
Mount Charles Place							
Napoleon	1				1		
Ontario, 1505 1676	1				1		
Pantaléon 1 to 17							
Perrault (lane)	3			1	1		
Perrault (court)							
Picard (lane)							
Pine (avenue)							
Roy							
Sanguinet, to 642	10		1		5	1	
Sherbrooke 383 to 536	1						
St. Catherine, 1703 to 1915					1		
St. Constant	4	1		1	4	1	
St. Denis, 2 to 522			1	4	2	1	
St. Dominique, to 720	37	7	3	2	10		
	79	12	15	12	40	3	

CONTAGIOUS DISEASES, ST. LOUIS WARD.—*Continued.*

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	79	12	15	12	40	3	.....
St-Elizabeth	8	.....	.....	.....	1	.....	.....
St-Emery	.....	.....	.....	.....	.....	.....	.....
St-Hypolite, to 317	12	.....	1	1	1	.....	1
St-Hypolite (lane)	2	.....	.....	.....	.....	.....	.....
St-Julie	.....	.....	.....	.....	1	.....	.....
St-Justin	.....	.....	.....	.....	.....	.....	.....
St-Laurent, 1 to 913	7	.....	2	.....	3	.....	.....
St-Louis, 90 to 127	1	.....	.....	.....	.....	.....	.....
Vitré, 1 to 102	1	1	.....	.....	1	.....	.....
Total	110	13	18	13	47	3	1

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-JAMES WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Amherst	2		2		2	1	
Barclay							
Beaudry	4		2	2			
Beaudry (lane)	4						
Berri	2				1		
Berri (lane)							
Bonaparte					1		
Brien (avenue)							
Brock						1	
Campeau							
Cherrier	2						
Contant							
Craig, 184 to 352	1		1				
Dorchester, 232 to 409			1				
Dubord, 1 to 75			1				
Grant							
Houle							
Jacques-Cartier	4	1	2		1		
Labelle							
Lacroix, odd numbers							
Lagauchetière, 163 to 376	3						
Louis Hypolite							
Maple, to 315							
Marie Joseph							
Mignonne, 1005 to 1205							
Montana, to 202	4		1				
Montcalm	10	1			3	1	
Notre-Dame, 1191 to 1389	1		2		1		
Ontario, 1181 to 1500	2				2		
Perthius					1		
Rappelo							
Rivard	1						
Robin							
Rousseau	1						
Sherbrooke					1		
St-André	4		2		1		
St-André (lane)	2						
St-Catherine							
St-Christophe	5	2	2		1	2	
St-Denis, odd numbers 23 to 493			1		3		
St-Hubert	2		1		2	4	
St-Louis, 1 to 71	3						
Visitation, even numbers	7				1		
Water							
Wolfe	18		4	2	3	2	
Total	82	4	22	4	24	11	

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. MARY'S WARD.

Streets.	Diphtheria	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Albert (lane)	1						
Allard							
Amity							
Archambault	1				1		
Barclay							
Bishop (lane)							
Brant							
Champlain	6		1		1	4	
Chaussé							
Craig, 1 to 177	3				1	1	
Delorimier	2			2	1		
DeSalaberry	1					1	
Dorchester, 1 to 226	2				4	3	
Dufresne	1		1	1	12	3	
Erie	1						
Frontenac, to 135	1	1			2	4	
Fronctenac (lane)						1	
Fullum	10		1		2	3	
Fullum (lane)	3				1		
Gain	3				2		
Grant (lane)							
Harmony							
Iberville, above 141	1				5	1	
Joachim			1			1	
Kent					1		
Lafontaine, from 34			2		2		
Lagauchetière, 1 to 157	4				1		
Larivière							
Logan, from 33	3		1		1		
Longueuil, Crossing					1		
Maisonneuve	2		7			1	
Marie-Anne							
Mathieu (lane)	4					1	
Mignonne, 2 to 1004	9		2	1	1	3	
Molson Terrace							
Monarque							
Morin							
Munro (lane)	1				1		
Nonancourt			1				
Notre-Dame, 597 to 1181	2		2		2	1	
Ontario, 660 to 1178						6	
Panet	5		1		3	1	
Papineau (road)	2				2		
	68	1	23	4	47	35	

CONTAGIOUS DISEASES, ST. MARY'S WARD.—*Continued.*

Streets.	Diptheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Brought forward	68	1	23	4	47	35	.....
Papineau (square)	3	.....	.....	.....	1	.....	.....
Parker	1	.....	.....	.....	.....	.....	.....
Parthenais	1	.....	1	.....	1	.....	.....
Plessis	8	.....	4	.....	3	.....	.....
Poupart	4	1	.....	.....	2	1	.....
Provençale (lane)	.....	.....	.....	.....	.....	1	.....
Rivet (lane)	.....	.....	1	.....	.....	.....	.....
Robb, Terrace	.....	.....	.....	.....	.....	.....	.....
Shaw	18	.....	1	.....	3	1	.....
Sherbrooke to 190	.....	.....	.....	.....	.....	.....	.....
St. Adolphe	.....	.....	.....	.....	1	.....	.....
St. Alexis (lane)	.....	.....	.....	.....	.....	.....	.....
St. Alphonse	.....	.....	.....	.....	1	.....	.....
St. Catherine, 629 to 1406	7	1	.....	.....	8	1	.....
St. Elizabeth (lane)	.....	.....	.....	.....	.....	.....	.....
St. Ignace	1	.....	.....	.....	.....	.....	.....
St. Pierre (lane), from Mignonne street	.....	.....	.....	.....	.....	.....	.....
St. Pierre (lane) near Sherbrooke street	.....	.....	.....	.....	.....	.....	.....
St. Roch	.....	.....	.....	.....	.....	.....	.....
St. Rose	1	.....	.....	.....	.....	.....	.....
St. Germain (lane)	.....	.....	.....	.....	.....	.....	.....
Suzanne	.....	.....	.....	1	.....	2	.....
Sydenham (lane)	.....	.....	.....	.....	.....	.....	.....
Tansley	.....	.....	.....	.....	1	.....	.....
Visitation, odd numbers	10	.....	2	.....	2	.....	.....
Voltigeurs	.....	.....	.....	.....	.....	.....	.....
Water	.....	.....	.....	.....	.....	.....	.....
Veuve (lane)	.....	.....	.....	.....	.....	.....	.....
Total	122	3	32	5	70	41	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

WEST WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Callières							
Commissioners, 261 to 347							
Common, 1 to 31							
Craig, 602 to 736							
Dollard							
Foundling, 54 to 104							
Fortification							
Hospital	1						
Lemoine							
McGill, 1 to 233							
Normand							
Notre-Dame, 1722 to 1843							
Port							
Recollet							
St-Alexis							
St-Eloi							
St-François-Xavier, odd numbers							
St-Helen							
St-James, 132 to 266							
St-John							
St-Nicholas							
St-Paul, 438 to 540							
St-Peter							
St-Sacrement							
Victoria (sq.) 2 to 24							
Youville							
Total	1						

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

CENTRE WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Capitol					1		
Commissioners			1				
Craig even numbers 494 to 600							
Custom House (square)							
De Bresoles							
Fortification, 1 to 105							
Le Royer, 130 to 149							
Notre-Dame, 1611 to 1720	1						
Place d'Armes							
Place d'Armes (Hill)							
St. Dizier							
St Francis-Xavier, odd numbers	1						
St. Gabriel, even numbers	1						
St. James, 46 to 128				1			
St. Jean-Baptiste					1		
St. Lambert					1		
St. Paul, 286 à 435							
St. Sulpice					1		
Total	3		1	1	4		

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

EAST WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Barrack							
Bonsecours							
Champ de Mars	2	1			1		
Commissioners, 1 to 125							
Craig							
Dalhousie (sq.)							
Fripponne							
Gosford							
Jacquez-Cartier (sq.)							
Leroyer, 2 to 13							
Lacroix, even numbers							
Notre-Dame, 1410 to 1610	7				4		
St-Amable							
St-Claude							
St-François	1						
St-Gabriel, odd numbers							
St-James							
St-Louis, even numbers							
St-Paul, 32 to 282	3				2		
St-Vincent	1						
St-Thérèse							
Vaudreuil							
Victor							
Total	14	1			7		

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

HOCHELAGA WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Desery	9	.....	1	.....	2	.....	.....
Frontenac, odd numbers, above 127	2	.....	2	.....	1	.....	.....
Gale	.....	.....	.....	.....	.....	.....	.....
Harbor	2	.....	.....	.....	.....	.....	.....
Hudon	.....	.....	.....	.....	.....	.....	.....
Iberville, odd numbers to 141	.....	.....	.....	.....	.....	.....	.....
Lafontaine	.....	.....	2	.....	.....	.....	.....
Logan	2	.....	.....	.....	9	.....	.....
Marlborough	9	.....	.....	.....	3	.....	.....
Mignonne, 1 to 427	.....	.....	1	.....	9	.....	.....
Moreau	4	.....	.....	.....	.....	.....	.....
Notre-Dame, 1 to 597	4	.....	1	2	11	.....	.....
Ontario, 1 to 659	.....	.....	.....	.....	1	.....	.....
Pius IX (avenue)	.....	.....	.....	.....	.....	.....	.....
Prefontaine	.....	.....	1	.....	1	.....	.....
Provost	.....	.....	.....	.....	.....	.....	.....
Robilliard	.....	.....	.....	.....	.....	.....	.....
Seaver	.....	.....	.....	.....	.....	.....	.....
Sherbrooke	.....	.....	.....	.....	.....	.....	.....
St-Catherine, 1 to 627	2	.....	.....	.....	2	.....	.....
St-Germain	.....	.....	2	.....	.....	.....	.....
St-Michael	.....	.....	.....	.....	.....	.....	.....
Total	34	.....	10	2	39	.....	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. JEAN-BAPTISTE WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Amherst	.....	.....	1	.....	.....	.....	.....
Berri	.....	.....	.....	.....	1	1	.....
Cadieux even Nos. fr. 254 & odd Nos. fr. 259	4	.....	.....	.....	1	1	.....
Cérat	.....	.....	.....	.....	.....	.....	.....
Champlain	2	1	.....	.....	2	.....	.....
Clarke	.....	.....	.....	.....	.....	.....	.....
Drolet, from 183	1	.....	1	.....	3	.....	.....
Dufferin	1	.....	1	.....	1	.....	.....
Jean	.....	.....	.....	.....	.....	.....	.....
Laval (av.), even from 274, odd from 233	7	.....	.....	.....	1	.....	.....
Lionais	.....	.....	.....	.....	.....	.....	.....
Logan's (Farm)	.....	.....	.....	.....	.....	.....	.....
Maple, from 376	2	.....	1	.....	.....	.....	.....
Marie Anne	5	.....	1	.....	.....	.....	.....
Marché	.....	.....	.....	.....	.....	.....	.....
Mount Royal, even numbers	1	.....	.....	.....	.....	1	.....
Pantaléon, from 21	1	.....	.....	.....	2	.....	.....
Papineau	.....	.....	.....	.....	.....	.....	.....
Rachel	3	.....	.....	.....	.....	.....	.....
Rivard, from 45	1	.....	.....	.....	1	.....	.....
Sanguinet, from 645	2	.....	1	.....	.....	.....	.....
Seaton	3	.....	.....	.....	.....	.....	.....
St. Denis	.....	.....	.....	.....	1	.....	.....
St. Dominique, from 722	3	.....	5	.....	.....	.....	.....
St. Hypolite, from 317	8	1	1	.....	.....	.....	.....
St. Jean-Baptiste	3	.....	1	.....	1	.....	.....
St. Lawrence 915 to 1269	2	.....	2	.....	1	.....	.....
Total	49	2	15	.....	15	3	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-GABRIEL WARD.

Streets.	Diphtheria.	Croup Diphther.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.
Atwater (avenue)	.....	.....	.....	.....	.....	.....	.....
Bourgeois	4	.....	.....	.....	2	.....	.....
Centre, from 188 upwards	5	.....	1	.....	1	.....	.....
Charron	1	.....	1	.....	.....	.....	.....
Coleraine	.....	.....	.....	.....	.....	.....	.....
Edinburgh	.....	.....	.....	.....	.....	.....	.....
Fortune	.....	.....	.....	.....	.....	.....	.....
Grand Trunk, from 157 and above	1	.....	.....	1	.....	.....	.....
Hibernia	.....	.....	.....	.....	1	.....	.....
Island	3	.....	.....	.....	.....	.....	.....
Knox	.....	.....	.....	.....	.....	.....	.....
Liverpool	1	.....	.....	1	.....	.....	.....
Magdalen, from 190 and above	2	.....	.....	.....	.....	.....	.....
Manufacturers from 77 and above	20	1	1	.....	.....	.....	.....
Mullins, from 135	.....	.....	.....	.....	.....	.....	.....
Napoleon	9	.....	1	.....	.....	.....	.....
Paris	1	.....	.....	.....	.....	.....	.....
Richardson, from 164	1	.....	.....	.....	.....	.....	.....
Rozelle	1	.....	.....	.....	1	.....	.....
Ropery	5	.....	.....	.....	.....	.....	.....
Rushbrook	.....	.....	.....	.....	.....	.....	.....
Ryde	.....	.....	.....	.....	.....	.....	.....
St-Albert	9	.....	6	.....	1	.....	.....
St-Andrew	.....	.....	.....	.....	1	.....	.....
St-Charles	2	.....	.....	.....	.....	.....	.....
St-Francis, odd and even numbers to 35	.....	.....	.....	.....	4	.....	.....
St-Henri	.....	.....	.....	.....	.....	.....	.....
St-Patrick, from 226	6	.....	.....	.....	2	.....	.....
Wellington, from 601	1	.....	.....	.....	.....	.....	.....
Total	72	1	10	2	13	.....	.....

CONTAGIOUS DISEASES BY NATIONALITIES.

(Bulletin for the last three months of 1888.)

Nationality.	Diphtheria.	Diph. Croup	Croup.	Typhoid Fever	Scarlatina.	Measles.	Varicella.	Total.
French-Canadians	68	15	31	66	6	36	.....	222
English.	70	2	1	61	11	14	1	160
Irish.	57	.....	2	44	4	7	.....	114
Scotch.	16	.....	7	9	2	.....	.....	34
Italians.	5	.....	.....	.....	.....	.....	.....	5
Jews.	6	.....	.....	6	2	.....	.....	14
Germans.	2	.....	.....	3	.....	.....	.....	5
Total.	224	17	41	189	25	57	1	544

CONTAGIOUS DISEASES BY WARDS.

	St-Antoine Ward.	St-Ann's Ward.	St-Lawrence Ward.	St-Louis Ward.	St-James Ward.	St-Mary's Ward.	Hochelaga Ward.	St-Gabriel Ward.	St-Jean-Baptiste Ward.	East Ward.	Centre Ward.	West Ward.	Total.
Diphtheria	225	166	127	110	82	122	34	72	49	14	3	1	1005
Diphtheritic Croup	10	2	2	13	4	3	....	1	2	1	....	....	38
Croup	13	10	8	18	22	32	10	10	15	....	1	....	139
Scarlatina	13	7	12	13	4	5	2	2	....	....	1	....	59
Typhoid Fever	122	50	50	47	24	70	39	13	15	7	4	....	441
Measles	20	4	2	3	11	41	....	....	3	....	....	....	84
Varicella	....	....	....	1	....	....	....	....	....	....	....	....	1

DEFECTS FOUND IN HOUSES INFECTED BY CONTAGIOUS DISEASES.

Contagious Diseases — Cases and deaths.	Drains.	Soil-pipes.	Privies connected with drains.	Waste-pipes.	Damp walls.	Hidden defects.	Could not be examined.	Water in cellar.	Yards and dependancies dirty.	Water-closets dirty.	No sinks or drains.	Privies dirty.	False addresses.	Total.
Diphtheria	346	37	42	169	14	178	59	20	81	30	15	10	4	1005
Diphtheritic Croup	10	....	9	5	...	10	2	...	2	....	....	...	...	38
Croup	41	4	6	23	1	35	9	4	10	1	2	1	2	139
Scarlatina	9	5	2	15	...	19	3	...	....	5	....	...	1	59
Typhoid Fever	119	18	28	50	2	126	32	12	18	12	9	9	6	441
Measles	9	....	5	6	...	45	9	1	....	1	....	...	3	84
Varicella	....	....	....	....	...	1	....	...	....	....	....	...	...	1
														1767

NUMBER OF HOUSES INFECTED BY CONTAGIOUS DISEASES; ALSO CONTAGIOUSNESS OF DIFFERENT DISEASES AS SHOWN BY THE NUMBER OF CASES OCCURRING IN EACH HOUSE.

DIPHTHERIA.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	TOTAL.
548	103	41	23	6	1	.....	1005

DIPHTHERITIC CROUP.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	
23	4	1	1	.....	.....	.....	38

CROUP.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	
126	5	1	.....	.....	.....	.....	139

SCARLATINA.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	
43	5	2	.....	.....	.....	.....	59

TYPHOID FEVER.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	
377	20	3	2	.....	.....	1	441

MEASLES.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	
45	11	3	2	.....	.....	.....	84

VARICELLA.

1 Case.	2 Cases.	3 Cases.	4 Cases.	5 Cases.	6 Cases.	7 Cases.	
1	.....	.....	.....	.....	.....	.....	1

Number of houses infected by Contagious Diseases		1390
Houses disinfected under the direction of Health Dept.	765	
" " under the direction of the family physicians	39	
" " by the heads of families	208	
Disinfection refused	414	
Total disinfections	1426	
Number of visits made by Disinfector		3600

The difference between the number of infected houses and the number of disinfections made is explained by the fact that certain houses had to be disinfected more than once.

The above houses were inspected by Sanitary Officers Ward and Mathieu. In all cases where there was a possibility of so doing, the drains and plumbing work were tested with peppermint.

Where disinfections were performed by the heads of families after refusal to allow the sanitary officers to carry out this preventive measure the places had been infected with Croup, Typhoid Fever and Measles, toleration having to be exercised in those cases owing to the fact that at the time they occurred the Board of Health was not legally constituted.

CASES OF CONTAGIOUS DISEASE ACCORDING TO AGES.

	Under 6 months.	Fr. 6 m'ths to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 75 years.	Total.
Diphtheria	6	38	411	283	180	47	27	6	5	2	...	1005
Diphtheritic Croup	...	2	29	6	1	...	...	...	...	...	...	38
Croup	2	15	99	22	1	...	...	...	...	...	...	139
Scarlatina	1	2	25	21	9	...	1	...	...	...	...	59
Typhoid Fever	...	...	16	29	132	179	55	17	11	1	1	441
Measles	4	4	39	23	10	4	...	...	...	...	...	84
Varicella	...	...	...	1	...	...	...	...	...	...	...	1

LIST OF STREETS REQUIRING PUBLIC SEWERS REPORTED UPON TO COUNCIL BY THE BOARD OF HEALTH DURING THE YEAR 1888.

Archambault and Morin (lanes).	
Amherst	from Cherrier to Roy streets.
Coleraine	
Centre	part of
Champlain	St. Jean-Baptiste Ward.
Dufferin	" " "
Frontenac	from Forsyth to end of sewer in Ontario St.
Gain	from Lafontaine street, northwards.
Hutchison	formerly Taylor street.
Harbour	from St. Catherine to Mignonne streets.
Lagauchetière	from St. Constant to German street.
Lagauchetière	from Bleury to Hermine streets.
Lafontaine	from Fullum to Dufresne streets.
Logan	from No. 60 to Dufresne street.
Lane	midway between Sanguinet and St. Denis Sts.
McCord	from William to Wellington street.
Moreau	from end of present sewer to last house at upper end of the street.
Mansfield	from Dorchester to Lagauchetière street.
Montana	as far as Roy street.
Mignonne	
Napoleon	road.
Notre-Dame	Hochelaga Ward.
Parthenais	from Mignonne street northward to last house.
Rachel	from Maple street to Papineau Road.
Rosaire	from Wellington to Favard street.
Ryde	
Shaw	from St-Catherine street northward.
Sanguinet	St. Jean-Baptiste Ward.
St. Joachim (lane)	formerly Kent street.
St. Geneviève	from end of present sewer to last house below lane rear of Dorchester street.
St. German	between Logan and Ontario street.
St. Peter	from Youville to Foundling street.
St. Patrick	from Wellington to Condé street.
St. Jean-Baptiste	from Laval avenue to Sanguinet street.
St. Patrick	west wards to City limits.
St. Patrick	between Napoleon road and Luke street, St. Gabriel Ward.
Tower	
Wellington	from Rosaire to Charron streets.

REGULATIONS ADOPTED BY THE COMMITTEE ON DRAINAGE AND PLUMBING.

A.—Every master plumber, or drain builder or drain layer shall be required to register his name and place of business at the office of the Board of Health, and to give notice at the said office in case of the removal of his place of business.

B.—An official list of such plumbers and drain builders or drain layers shall be published once a year during the month of May.

C.—It shall be unlawful for any person to carry on the trade of plumbing or drain making in the city of Montreal, unless enregistered as above.

D.—That all plumbing and house drainage shall be constructed in accordance with the following rules:

1.—The construction of drains or plumbing work shall not be carried out unless plans, drawings and a description of the same shall have been previously deposited by the proprietor in the Health Office, at least eight days before the commencement of the work, and unless approved of by the authorized officer, and in case of repairs or alterations, notice must be given to the Health Department 24 hours before the commencement of the work.

2.—No part of the work shall be covered or concealed in any way until after it has been examined and approved of by the official inspectors; also notice must be given to the Health Department when the work is sufficiently advanced for such inspection.

3.—The Water Department shall refuse to turn on the water unless the demand for the same is accompanied with a certificate under the hand of the inspector appointed by the Board of Health to the effect that the work has been inspected before having been covered up or concealed and found to be completed in accordance with the rules and regulations of the Board of Health.

4.—All the material. used shall be of good quality and free from defects and the work shall be executed in a thorough and workmanlike manner.

5.—The arrangement of the soil and water pipes shall be as direct as possible and shall have the greatest possible fall the circumstances will permit of.

6.—The soil, drain, waste and ventilation pipes shall, if practicable, be at all times exposed to view for ready inspection and for convenience in repairing.

7.—When necessarily placed within partitions or recesses of walls, soil, drain, waste and ventilation pipes shall be covered with woodwork so fastened with hinges as to be readily uncovered ; and in no case shall they be absolutely inaccessible.

8.—Every house or building shall be separately and independently connected with the street sewer or with such sewer as shall be designated by the Board of Health (when possible, such connection shall be made directly in front of the house).

9.—Every house drain shall be of iron (heavy) or of vitrified salt glazed cylindrical earthenware pipe, with a fall of at least ¼ inch to the foot, and no joint made directly under the wall of the house; moreover, where water closets discharge into it, it shall be at least 4 and not more than 6 inches in diameter, and it shall be laid in a straight line if possible. All changes in direction shall be laid with curved pipes and all connections with Y branch pipes and curved bends.

10.—Any house drain or sewer put in and covered without due notice to the Health Department must be uncovered for inspection.

11.—No brick, sheet metal, earthenware or chimney flue shall be used as a sewer ventilator, nor to ventilate any trap, drain, soil or waste pipe.

12.—Every soil pipe shall be of cast iron of the weight specified in Section 20, and shall extend at least two feet above the highest part of the roof, or coping or light shaft louvres, of the same size throughout and in no case less than four inches in diameter; also no cap or cowl shall be affixed to the same.

13.—Soil, waste and vent pipes in an extension shall be carried above the roof of the main building when they are closer than 20 feet to the windows of the main building or the adjoining house.

14.—Rain-water leaders shall not be connected with sewers unless by special permission of the Board of Health, and in accordance with plans and rules specially made for each case.

15.—All joints of sewers and soil pipes shall be gas and water tight.

16.—When no water-closet exists ventilated in accordance with the rules already adopted, all main waste pipes shall be of lead or iron of the weight specified in Section 20, and shall be not less than 2 inches in diameter unless there are more than four sinks, in which case the size shall be 3 inches in diameter, and every such pipe shall be continued full size through the roof in the manner prescribed for soil pipes.

17.—When lead pipe is used to connect fixtures with vertical soil or waste pipes, or to connect traps with vertical vent pipe, it shall not be lighter than 5 lbs sheet lead to the foot.

18.—There shall be no traps in connection with vertical soil or waste pipes unless by special permission of the Board of Health.

19.—All iron pipes must be sound and free from holes and cracks.

20.—The following weight per lineal foot shall be accepted as standard :

FOR IRON PIPE.

To be used in plumbing work.

2	inch	4	pounds	per lineal	foot.
3	"	5	"	"	"
4	"	9	"	"	"
5	"	12	"	"	"
6	"	15	"	"	"

To be used in drain work.

4	inch	12½	pounds	per lineal	foot.
5	"	16	"	"	"
6	"	20	"	"	"

FOR LEAD PIPE.

To be used for waste pipes for sinks.

2	inch	10	pounds	per lineal	yard.
3	"	15	"	"	"

N. B.—All lead waste pipes, bends or cesspools shall be equal to not less than 6 lbs. per square foot of sheet lead.

21.—All fittings used in connection with such pipes shall correspond with them in weight and quality.

22.—No tar-coated cast iron pipe shall be used.

23.—The plumbing work shall be tested with the peppermint, the smoke, the water or any other test approved of by the Board of Health, by the Inspector of the said Board, in the presence of the plumber when the latter is required to be present.

24.—When defective pipes are discovered, they shall be removed and be replaced by sound pipes; all defective joints shall be made tight and every part of the work in which defects are found shall be made to conform to these rules and regulations.

25.—All joints in the iron drain, soil and waste pipes, shall be so filled with oakum and lead and hand caulked as to make them gas tight, and they shall not be painted, varnished, tarred or puttied over until after inspection, or else the said joints may be screw joints.

26.—All connections of lead with iron pipes shall be made with a brass or copper sleeve or ferrule of the same size as the lead pipes, put in the hub of the branch of the iron pipe and caulked with lead, and the lead pipe shall be attached to the ferrule by a wiped or overcast joint.

27.—All connections of lead pipes shall be by wiped joints.

28.—No tile pipe shall be connected with the soil or waste pipe unless the same is provided with a flange to render a secure connection capable of being made.

29.—Every water-closet, urinal, sink, basin, wash tray, bath and every tub or set of tubs shall be separately and effectively trapped.

30.—All connections between iron and tile pipes shall be made with the best Portland or Roman cement, or by such other mode of connection as may be approved of by the Board.

31.—Traps shall be placed as near the fixtures as practicable, and in no case shall a trap be distant more than 2 feet from the fixtures.

32.—There shall be only one trap under the water-closet and that immediately beneath the same.

33.—All waste pipe fixtures other than water-closet, shall be provided at the inlet of such fixtures with strong metallic strainers to exclude from such waste pipes all substances likely to obstruct them.

34.—In no case shall the waste pipe from a bath, tub or other fixture be connected with a water-closet trap.

35.—Overflow pipes from fixtures shall in every case be connected with the inlet side of the trap, and below the water

36.—Drip or overflow pipes from the safes under water-closets and other fixtures, or from tanks other than those of water-closets or refrigerators, shall be made to run into some place in open sight, and in no case shall any such pipe be connected directly with the drain, waste or soil pipe.

37.—All water-closet appartments shall open to the outer air or be ventilated by means of a window, shaft or air duct, or by a vent shaft to the chimney.

38.—Interior water-closets shall never be supplied directly from the city reservoir supply pipes. Except in tenement houses, a group of closets may be supplied from one tank, but water closets on different floors shall not be permitted to be flushed from one tank. In tenement houses there shall be a separate cistern for each water-closet; and one water-closet shall be provided for each family.

39.—The overflow pipes from water-closet cisterns may discharge into an open sink, or the basin of the water-closet or where its discharge will attract attention and indicate whether waste of water is occurring, but not into the soil or waste pipe or into the drain or sewer.

40.—The valves must be so fitted and adjusted as to prevent wasting of water.

41.—No privy vault or cesspool for sewage shall be permitted in any part of the city where water-closets can be connected with a public sewer in the street, except when it is unavoidable, and a permit shall have been granted by the Board of Health, and in such case it shall be water tight, of a capacity of 45 cubic feet; the sides and bottom shall be constructed of cemented brick twelve inches in thickness and well cemented inside. or they may be constructed of cast iron, the shape or form shall be either circular or oblong without angles and the bottom shall be concave, it shall be provided with a ventilation pipe at least 4 inches in diameter, extending from the pit up to and through the roof; the seats shall have a tight fitting cover; the flooring shall be air tight and shall have a tightly fitting trap door communicating with the pit, or else an aperture opening exteriorly to allow of cleaning by the pneumatic process, such aperture shall be 2 feet by 1½ feet in size; the top of the vault shall be 1 foot above the level of the ground. nothing shall be put into such pit, excepting human execreta; the privy shall be located as far as possible from the house to which it belongs and from neighboring houses; privies should be emptied when the contents reach to within 1 foot of the top of the vault or when judged necessary by the Board of Health, by the persons appointed to do the same by the said Board; no offensive smell or gases shall be allowed to escape therefrom. But, in no case shall a privy be allowed within the walls of a dwelling house or immediately contiguous thereto outside.

42.—Rain water leaders shall never be used as soil, waste or vent pipes, nor shall any soil, waste or vent pipe be used as a rain water leader.

43.—No steam exhaust, blow off or drip pipe shall connect with a sewer or any house drain, soil pipe or waste pipe; such pipes must discharge into a tank or condenser from which a suitable outlet to the house sewer may be provided.

44.—Cellars shall not be connected with the house drain unless necessary and by special permission of the Board of Health and according to plans approved of by the said Board.

45.—Sub soil drain shall be provided when necessary and shall be constructed and trapped to the satisfaction of the Board of Health.

46.—No trap or obstruction of any kind shall be permitted upon the line of any house drain into which the domestic sewage passes, unless by the permission of the Board of Health; and should such trap be permitted, it shall have a hand-hole for cleaning purposes and a fresh air inlet pipe connected with the drain in such position or situation as may be decided upon by the drain inspector.

47.—Drains in yards shall, in all cases, be trapped below frost.

48.In the case of privy vaults now drained, they shall be provided with suitable traps to disconnect them from the public sewers below frost and according to plans approved of by the Board of Health.

49.—In cases in which a new house is being built or one already existing is being repaired, wherever there is a public sewer in the street, a water closet shall be put in, and privy pits strictly prohibited.

E.—Penalty clause (same as in section 56 of By-Law No. 105).

STATEMENT OF VACCINATIONS PERFORMED BY Dr. J. E. NOLIN.

PUBLIC VACCINATOR, EASTERN DISTRICT.

1888	Number of visits.	Vaccinated by Dr Nolin.	Vaccinated by private physicians.	Sick.	Died.
January (9 to 31)..	635	78	27	81	.....
February	914	96	27	128	13
March.....	941	150	32	112	10
April.....	927	141	37	71	7
May.....	855	169	57	56	4
June.....	700	85	34	120	22
September.....	812	114	11	87	17
October.....	957	159	32	135	29
November.....	795	90	15	91	10
December (1 to 25).	453	69	28	59	12
Total.....	7989	1151	300	940	124

STATEMENT OF VACCINATIONS PERFORMED BY DR. H. DAZÉ,

PUBLIC VACCINATOR, CENTRE DISTRICT.

1888	Number of visits.	Vaccinated by Dr. Dazé.	Vaccinated by private physicians.	Sick.	Died.
January (9 to 31)...	340	30	26	91	7
February	566	75	28	176	7
March.....	576	109	22	141	10
April.	729	123	70	179	10
May.....	511	112	45	104	5
June	551	60	35	134	3
September.....	676	104	31	123	48
October...	526	123	32	84	16
November..... ...	474	73	16	82	10
December (1 to 25 ..	294	41	12	45	5
Total.....	5243	850	317	1159	121

STATEMENT OF VACCINATIONS PERFORMED BY DR. H. W. COYLE,

PUBLIC VACCINATOR, WESTERN DISTICT.

1888	Number of Visits.	Vaccinated by Dr. Coyle.	Vaccinated by private physicians.	Sick.	Died.
January (9 to 31)....	227	14	10	49	9
February.....	470	64	22	59	21
March.....	445	92	47	73	25
April.....	612	92	48	49	21
May	709	174	57	70	9
June.....	660	74	24	1 05	25
September..	659	91	22	72	10
October.....	586	93	32	34	18
November.....	382	86	25	29	.....
December (1 to 25)	219	39	8	12	.....
Total	4969	801	295	552	138

REMARKS ON VACCINATION.

Our public vaccinators are required to return to see the children they vaccinate in order to ascertain the result of the operation and to repeat it should it have failed the first time. It has been found that with the exception of a few cases, the vaccine used has given satisfaction.

According to the reports of our vaccinators, there has been much less difficulty experienced in carrying on vaccination this year than there was the preceding year; and the prejudices that existed during the epidemic of 1885. are daily diminishing.

Yet, we regret to have to say that certain physicians, far from helping on the work of our vaccinators, frequently place obstacles in their way by counselling parents for trifling reasons to put off the vaccination of their children.

During the months of July and August, the vaccinators prepared an index containing the names of over 6000 children from the lists of baptisms sent in from the different parishes. They also got every thing in readiness to recommence vaccinating in September.

Apart from this work, the vaccinators visited a large number of families in which infantile cholera had prevailed in order to study the causes of the disease and discover the best means of preventing it. But such observations, in order to possess scientific value should extend over a vast number of cases, which would have taken up more time and have drawn upon the resources of the Board to a greater extent, than could possibly have been afforded.

Finally, during the course of the year, the vaccinators visited and even treated certain cases of contagious disease, when the relatives of the patients were too poor to pay a physician; also they visited a number of cases of disease, reported as contagious but which required to be examined in order to verify the diagnosis.

COMPARATIVE STATEMENT OF THE VACCINATIONS PERFORMED DURING THE YEARS 1887 AND 1888.

	1887				1888			
	Vaccinated by the public vaccinators.	Vaccinated by private physicians.	Died.	Sick.	Vaccinated by the public vaccinators.	Vaccinated by private physicians.	Died.	Sick.
Dr Nolin	974	364	1244	308	1151	300	940	124
Dr Dazé	530	253	134	571	850	317	121	159
Dr Coyle	499	163	86	540	801	295	138	552
Total	2003	780	1464	1419	2802	912	1199	835
Total vaccinations	2783				3714			
Total vaccinations and deaths.	4247				4913			
Grand total	5666				5748			

POPULATION OF MONTREAL.

On the 1st of July, 1887, the population of Montreal was estimated at 189,051; the population of the new ward (St. Gabriel) being added, give the figure 195,864.

The mean annual rate of increase of population in Montreal has been found to be 3 per cent. At this rate of increase, we would have 5879 to add to the figure 195,864, thus placing the population for 1888 at 201,743.

BIRTHS, MARRIAGES AND DEATHS IN THE CITY OF MONTREAL DURING THE YEAR 1888.

BIRTHS.

	Births.	Per 1000 of the population.	Excess of births over deaths.
French Canadians	6284	54.68	2326
Other Catholics	1083	30.48	152
Protestants	1291	25.16	356
	8658	42.91	2834

MARRIAGES.

	Marriages.	Per 1000 of the population.
French Canadians	1358	11.81
Other Catholics	282	7.93
Protestants	564	10.99
	2204	10.92

The above statements of births and marriages are based on figures furnished by the Tutelle Office. However, they must not be considered as exact, as four Protestant churches had not sent in their returns when the statements were given. The rate of births and marriages amongst the Protestants, therefore, should be to a certain extent greater.

Under the heading "Other Catholics" are comprised those births and marriages registered in Irish Catholic churches, such as St. Patricks, St. Anns, St. Mary's, St. Gabriel's and St. Anthony's.

DEATHS.

	Deaths.	Population	Mortality per 1000 of the population.
French Canadians	3958	114,908	34.44
Other Catholics.	931	35,527	26.20
Protestants.....	935	51,308	1.822
	5824	201,743	28.86

MORTALITY ACCORDING TO POPULATION

FROM 1872 TO 1888

	Population.	Deaths.	Mortality per 1000 of population.
1872.....	120759	4512	37.36
1873	123715	3716	30.03
1874.....	124745	4520	36.23
1875.....	129840	4328	33.33
1876.....	133000	4557	34.26
1877.....	134500	4715	35.05
1878.....	135000	4119	30.51
1879	135000	3704	27.43
1880.....	140000	3767	26.90
1881.....	143000	3888	27.18
1882.....	144000	3906	27.12
1883.....	150000	3849	25.60
1884.....	162959	4358	26.74
1885	167501	7825	46.71
1886.....	183504	4655	25.36
1887.....	189051	5286	27.96
1888	201743	5824	28.86

COMPARATIVE STATEMENT OF BIRTHS AND DEATHS.

	French Canadians.	Other Catholics.	Protestants.
Births.....	6284	1083	1291
Deaths.....	3958	931	935
Excess of Births over Deaths.....	2326	152	356
Increase per 1000 of population.....	20.24	4.27	6.93

Mortality by sex.

Males	2947
Females	2877
Total	5824

Mortality by social condition.

Married	995
Widowers	151
Widows	324
Single	554
Children	3800
Total	5824

TABLE SHOWING THE DEATH-RATE

		January.		February.		March.		April.		May.	
		Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
French Canadians.	Under 5 years..	172	54.43	188	62.25	186	57.94	158	54.67	139	54.29
	Above 5 years.	144	45.56	114	37.74	135	42.05	131	45.32	117	45.70
Other Catholics.	Under 5 years..	32	38.55	27	38.57	28	41.79	34	44.15	32	45.71
	Above 5 years..	51	61.44	43	61.42	39	58.20	43	55.84	38	54.28
Protestants.	Under 5 years..	41	44.08	27	37.50	29	43.93	26	44.06	27	31.76
	Above 5 years..	52	55.91	45	62.50	37	56.06	33	55.93	58	68.23

BY MONTHS AND BY NATIONALITY.

June.		July.		August.		September		October.		November.		December.	
Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
301	73.77	407	77.22	279	72.27	246	68.14	135	56.01	165	57.69	162	61.13
107	26.22	120	22.77	107	27.72	115	31.85	106	43.98	121	42.30	103	38.86
42	51.85	65	52.84	39	50 00	31	48.43	31	37.80	29	36.25	29	51.78
39	48.14	58	47.15	39	50 00	33	51.56	51	62.19	51	63.75	27	48.21
38	46.34	64	65.30	45	50.00	29	43.28	29	43.28	31	41.33	36	44.44
44	53.65	34	34.69	45	50.00	38	56.71	38	56.71	44	58.66	45	55.55

MORTALITY BY AGES

AGES.	Catholics. French Canadians.	Catholics. Other Catholics.	Protestants.	Total.	Proportion per cent of the total mortality.	
Under 6 months	1215	194	222	1631	28.00	58.01
From 6 months to 1 year	544	68	83	695	11.93	
" 1 year to 5 "	779	157	117	1053	18.08	
" 5 years to 10 "	215	50	47	312	5.35	41.98
" 10 " to 15 "	54	21	21	96	1.64	
" 15 " to 20 "	80	38	27	145	2.48	
" 20 " to 30 "	193	79	75	347	5.95	
" 30 " to 40 "	171	57	62	290	4.97	
" 40 " to 50 "	133	53	58	244	4.18	
" 50 " to 60 "	159	60	56	275	4.72	
" 60 " to 70 "	148	61	65	274	4.70	
" 70 " to 80 "	149	58	62	269	4.61	
" 80 " to 90 "	97	31	35	163	2.79	
" 90 " to 100 "	17	3	5	25	.42	
" 100 " and over....	2	1	.....	3	.05	
Unknown	2	.....	.....	2	.03	
Total.....	3958	931	935	5824		

	Mortality under 5 years.	Proportion per 100 of total deaths.	Mortality under 5 years.	Proportion per 100 of total deaths.
French Canadians	2538	64.12	1420	35.87
Other Catholics	419	45.00	512	54 99
Protestants.....	422	45.13	513	54.86
Total.....	3379	58.01	2445	41.98

Of the 3958 deaths among the French Canadians, 2538 occurred under 5 years of age; 349 from 5 to 20 years; 804 from 20 to 70 years; and 265 from 70 to 100 years. The mortality under 5 years formed 64.12 per cent; and above that age, 35.87 per cent of the total.

Of the 931 deaths among the other Catholics, 419 occurred under 5 years of age; 109 from 5 to 20 years; 310 from 20 to 70 years; and 93 from 70 to 100 years. The mortality under 5 years of age formed 45. per cent of the total; and above that age 54.99 per cent.

Of the 935 deaths among the Protestants, 422 were under 5 years of age; 95 from 5 to 20 years; 316 from 20 to 70 years; and 102 from 70 to 100 years. The mortality under 5 years formed 45.13 per cent. of the total; and above that age, 54.86 per cent.

MORTALITY BY WARDS.

Wards, Hospitals, &c.,	Population.	Mortality from all causes.	Mortality per 1000 of the population of each ward.	Diphtheria.	Typhoid Fever.	Diarrhœal diseases.	Phthisis.	Area of each ward.
St. Ann's	26,610	564	21.19	60	6	58	58	732.75
St-Antoine	44,476	716	16.09	65	16	81	56	1062.33
St-Lawrence	17,299	399	23.06	49	2	21	25	301.50
St-Louis	23,323	659	28.25	61	10	78	65	242.00
St-James	29,580	932	31.50	44	11	151	90	381.00
St. Mary	28,572	1193	41.75	48	10	204	82	621.00
West	3,125	17	5.44	1	.....	.....	2	54.33
Centre	1,498	25	16.68	.....	.....	3	2	42.00
East	4,376	53	12.11	5	2	5	5	57.16
Hochelaga	6,631	168	25.33	15	8	34	13	1230.00
St-Jean-Baptiste	9,235	398	43.09	26	5	78	39	308.00
St-Gabriel	7,018	305	43.45	36	7	21	33	330.00
Unknown	.....	6	.....	.....	.....	.....	.....	.....
Total	201,743	.....	.....	412	77	734	470	5362.08
Hôtel-Dieu	.....	136	.....	4	10	6	30	
Notre-Dame Hospital	.....	49	.....	.....	4	.....	12	
General Hospital	.....	95	.....	11	3	3	18	
Other Institutions	.....	109	.....	.....	.....	1	9	
Grand Total	.....	5824	.....	427	94	10	539	

St. Gabriel Ward.—The largest number of deaths occurred in this ward: 305, or 43.45 per 1000 of its population, although the rate per cent. of the total mortality of the city which this figure gave was only 5.23. 8.42 per cent. of the deaths from diphtheria and 7.44 per cent. of those from typhoid fever, took place in this ward.

St. Jean-Baptiste Ward.—The next highest rate of mortality occurred in this ward, the deaths amounting to 398, or 43.09 per 1000 of the population; or 6.77 per cent of the total city mortality. 6.08 per cent. of the deaths from diphtheria and 5.31 per cent of those from typhoid fever took place in this ward.

St. Mary's Ward.—There were 1193 deaths in this ward, or 41.75 per 1000 of its population, or 20.48 per cent. of the total city mortality. 11.23 per cent of the deaths from diphtheria and 10 63 per cent. of those from typhoid fever took place in this ward.

St. James Ward.—The deaths in this ward amounted to 932 or 31.50 per 1000 of its population, or 16. per cent of the total city mortality. 10.30 per cent. of the deaths from diphtheria and 11.70 per cent. of those from typhoid fever took place in this ward.

St. Louis Ward.—The total number of deaths in this ward amounted to 659, or 28.25 per 1000 of its population, or 11.31 per cent of the total mortality of the city. 14.28 per cent. of the mortality from diphtheria and 10.63 per cent. of that from typhoid fever occurred in this ward.

Hochelaga Ward.—There were 168 deaths in this ward, or 25.33 per 1000 of its population, or 2.88 per cent of the total mortality from all causes in the city. 3.51 per cent. of the mortality from di, htheria and 8.51 per cent. of that from typhoid fever occurred in this ward.

St. Lawrence Ward.—The number of deaths in this ward amounted to 399, or 23.06 per 1000 of its population, or 6.85 per cent of the total mortality of the city. 11.47 per cent. of the mortality from diphtheria and 2.12 per cent of that from typho d fever occurred in this ward.

St. Ann's Ward.—There were 564 deaths in this ward, or 21.19 per 1000 of its population, or 9.68 per cent of the total city mortality. 14.04 per cent. of the mortality from diphtheria and 6.38 per cent. of that from typhoid fever occurred in this ward.

Centre Ward.—In this ward 25 deaths occurred, or 16.68 per 1000 of its population, or 0 42 per cent of the total city mortality. There were no deaths from diphtheria or typhoid fever.

St. Antoine Ward.—The number of deaths in this ward amounted to 716, or 16.09 per 1000 of its population, or 12.29 per cent. of the total city mortality. 15.21 per cent. of the mortality from diphtheria and 17.02 per cent. of that from typhoid fever occurred in this ward.

East Ward.—In this ward 53 deaths occurred, or 12.11 per 1000 of its population, or 0.91 per cent of the total city mortality. 1.17 per cent. of the mortality from diphtheria and 2.12 of that from typhoid fever occurred in this ward.

West Ward.—Only 17 deaths occurred in this ward, or 5.44 per 1000 of its population, or 0.91 per cent. of the total city mortality. Of the total mortality from diphtheria, 0.23 per cent. occured in this ward. There were no deaths from typhoid fever.

MORTALITY FROM DIPHTHERIA.

AGES.

Nationality.	Under 6 months.	From 6 m'ths to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
Catholics — French Canadians.	4	13	142	77	7	...	1	...	...	...	1	...	...	...	...	...	245
Catholics — Other Catholics.....	2	2	53	29	6	1	...	...	...	...	...	...	...	...	...	...	93
Protestants	...	1	47	26	9	1	1	3	...	1	...	...	...	...	...	...	89
Total.....	6	16	242	132	22	2	2	3	...	1	1	...	...	...	...	...	427

WARDS.

St. Ann's	60
St. Antoine	65
St. Lawrence	49
St. Louis	61
St. James	44
St. Mary's	48
West	1
Centre	...
East	5
Hochelaga	15
St. Jean-Baptiste	28
St. Gabriel	36
Total	412
Hôtel-Dieu	4
Notre-Dame Hospital	...
Montreal General Hospital	11
Other Institutions	...
Grand total	427

MORTALITY FROM TYPHOID FEVER.

Nationality.	Under 6 months.	From 6 ms. to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 yrs.	Unknown.	Total.
Catholics: French Canadians	...	...	2	8	5	10	16	5	2	4	...	...	...	...	1	53
Catholics: Other Catholics	...	...	...	1	2	5	3	3	1	2	...	...	...	...	...	17
Protestants	...	...	3	1	5	3	6	3	2	...	...	1	...	..	...	24
Total	...	...	5	10	12	18	25	11	5	6	...	1	...	...	1	94

WARDS.

St. Ann's	6
St-Antoine	16
St. Lawrence	2
St. Louis	10
St. James	11
St. Mary's	10
West	
Centre	
East	2
Hochelaga	8
St-Jean-Baptiste	5
St-Gabriel	7
Total	77
Hôtel-Dieu	10
Notre-Dame Hospital	4
Montreal General Hospital	3
Other Institutions	
Grand total	94

MORTALITY BY CERTAIN SPECIAL CAUSES.

DISEASES.	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888
Small-pox	509	703	506	728	472	140	5	.....	.....	.....	3164	70	.....	.....
Measles	66	6	58	2	5	78	12	18	33	17	142	11	74	37
Scarlatina	197	42	33	29	22	43	47	54	39	16	42	22	10	9
Diphtheria	32	122	318	201	124	106	163	163	155	285	306	257	488	427
Typhoid Fever	92	104	103	69	63	67	103	106	104	88	77	79	101	94
Dysentery	22	38	45	24	28	22	35	28	22	26	18	24	25	43
Diarrhœa	232	294	348	159	348	279	287	397	273	349	256	266	409	392
Cholera infantum	211	240	199	176	105	153	161	134	190	255	185	247	306	305
Dentition	106	114	131	102	69	85	85	66	76	70	82	74	74	78
Phthisis	362	413	450	410	379	434	403	440	431	467	442	484	470	539

ELEVEN PRINCIPAL CAUSES OF DEATH BY MONTHS.

Diseases.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Diphtheria	92	53	48	34	29	16	21	12	21	31	25	45	427
Typhoid Fever	5	2	4	2	4	4	4	20	24	14	6	5	94
Dysentery	...	...	1	...	1	8	7	9	4	1	2	...	43
Diarrhœa	3	4	3	4	10	79	130	75	53	17	12	2	392
Cholera Infantum	...	1	...	2	1	48	126	74	43	9	1		305
Dentition	3	4	6	7	2	7	14	8	15	4	4	4	78
Phthisis	42	44	47	48	53	39	47	45	51	36	49	38	539
Convulsions	8	9	17	11	11	21	19	5	8	7	8	12	136
Pneumonia	33	30	35	18	15	13	6	9	12	16	37	26	250
Bronchitis	18	23	23	24	22	16	11	8	14	16	28	9	212
Debility	60	52	60	50	52	69	93	76	57	36	48	41	694

MORTALITY BY MONTHS.

Months.	1887		1888	
	Mortality.	Mean Temperature.	Mortality.	Mean Temperature.
January	355	6.78	492	3.66
February	366	13.97	444	12.42
March	388	19.55	454	23.22
April	381	35.46	425	36.85
May	411	61.06	411	53.55
June	625	66.25	571	65.81
July	596	73.48	748	67.93
August	461	65 94	554	64.18
September	412	56 38	492	55.43
October	403	43.30	390	39.51
November	427	30.09	441	33.25
December	461	16.84	402	22.39
	5286	40.76	5824	39.83

The lowest mortality occurred in the month of October, the number of deaths being 390, or 13 less than in the same month the preceding year. The mean daily mortality was 13 or 0.43 less, and the mean temperature was 39.5, or 3.81 lower than in the same month the preceding year.

The highest mortality occurred in July, the number of deaths amounting to 748, or 152 more than in the same month of 1887. The mean daily mortality was 24.93, or 5.07 higher, and the mean emperature was 67.93, or 5.55 lower than in July 1887.

CAUSES OF DEATH.

1st Class.—*Zymotic Diseases.*

Measles	37
Scarlatina	9
Diphtheria	427
Croup	151
Whooping Cough	17
Typhoid Fever	94
Cerebro-Spinal Meningitis	23
Erysipelas	17
Other Fevers	26
Dysentery	43
Diarrhœa	392
Cholera Infantum	305
Other Zymotic Diseases	69
Total	1610

2nd Class.—*Constitutional Diseases.*

Cancer	87
Phthisis	539
Other Constitutional Diseases	157
Total	783

3rd Class.—*Local Diseases.*

Encephalitis	285
Apoplexy	48
Paralysis	72
Convulsions	136
Other Diseases of the Nervous System	131
Diseases of the Heart	256
Other Diseases of the Circulatory Organs	36
Bronchitis	212
Pneumonia	250
Other Diseases of the Respiratory Organs	169
Enteritis	210
Other Diseases of the Digestive Organs	144
Diseases of the Urinary Organs	84
Other Local Diseases	47
Total	2080

4th Class.—*Developmental Diseases.*

Premature Birth	214
Dentition	78
Senility	65
Debility	694
Other Developmental Diseases	56
Total	1107

5th Class.—*Deaths by Violence and Unknown causes.*

Accidental	181
Surgical	5
Other Causes	11
Unknown	44
Total	241
Grand total	5822
Still-born	440

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REPORT

ON THE

SANITARY STATE

OF THE

CITY OF MONTREAL

ALSO

AN ACCOUNT OF THE OPERATIONS OF THE BOARD OF HEALTH AND THE VITAL STATISTICS

FOR THE YEAR 1889

BY

LOUIS LABERGE,
Medical Health Officer.

Historical Society
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OF WISCONSIN
MADISON, WIS.

BOARD OF HEALTH

Members appointed by the City Council in the month of March 1889.

ALDERMEN A. S. HAMELIN, *Chairman.*

G. W. STEPHENS,

D. TANSEY,

W. CLENDINNENG,

A. ROUSSEAU,

J. LEE, replaced by
DR A. GERMAIN.

JOS. BRUNET.

STAFF OF HEALTH DEPARTMENT

Doctor Louis LABERGE, *Medical Health Officer.*

ISAIAH C. RADFORD, *Sanitary Inspector.*

J. IGNATIUS FLYNN, *Secretary.* V. H. LEFEBVRE, *Accountant.*

Vaccinating Staff.

Doctor J. E. NOLIN, *Physician to Civic Hospital.*

H. DAZÉ, M.D. H. W. COYLE. M.D.

Milk Inspector,

C. DROUIN, V.S.

Clerks.

T. PLAMONDON, P. R. LABELLE, J. E. DUROCHER,
J. E. CODERRE. JULES CRÉPEAU, *Message boy.*

Sanitary Police

H. WARD, *sergeant*; J. B. CARDINAL, *special*; TERENCE BUTLER, *special*; MÉDÉRIC CHAGNON, W. MATHIEU, J. EDGAR THÉRIAULT, J. FRANCIS QUINN, ADOLPHE CATELLIER, JACQUES SÉVIGNY, PIERRE NADEAU, VICTOR GAGNIER, FRANCIS O'REILLY, JOSEPH N. PROULX. A. MILETTE, *disinfecting officer.*

Meat Inspectors.

City. *Abattoirs.*

GEO. FULLUM. A. HAMALL. B. MCSHANE. A. BAYARD.

Guardians of the Public Baths.

GEO LESSARD. B. DUMPHY.

To the Chairman and Members of the Board of Health.

Gentlemen,

I have the honor to present to you in the following pages, my report upon the sanitary state of the City of Montreal and upon the operations of the Health Department, as also a summary of the vital statistics, for the year ending 31st December, 1889.

Taking into consideration the importance of the sanitary measures which your Board put into operation during the past year and noting the decrease in the mortality as compared with the preceding year (and that with an increase of population amounting to at least ten thousand souls), we must say that, in a sanitary point of view, Montreal is making very considerable progress.

The annual rate of mortality was 26.60 per 1000 of the population, or 3.33 less than the mean rate for the preceding sixteen years, namely, from 1872 to 1888 (exclusive of the year of the small-pox epidemic, 1885).

If the last two wards annexed (St-Jean-Baptiste and St-Gabriel) did not form part of the city, our mortality would be reduced to 25.53 per 1000. But, what is most encouraging is that the mortality from zymotic diseases, which comprise most of the preventible disorders, decreased 0.64 per 1000 as compared with the preceding year; when, in the latter year, there had been a decrease of 1.12 per 1000 as compared with 1887.

If statistics are to be considered the guide of sanitarians, such results should encourage you, gentlemen, to a further exercise of energy and devotion in the cause of public health.

The most important measure inaugurated last year was undoubtedly the inspection of milk, dairies and cow stables by an officer appointed for that special purpose. This measure was rendered absolutely necessary in view of the fact that the mortality amongst infants fed by means of the nursing bottle, was excessive and that medical men attributed the prevalence of diarrhœa, cholera infantum, etc., to the bad quality of the milk supply.

The question of ensuring a supply of pure ice for domestic use in the city, by limiting the cutting of the refrigerent to sources known to be free from impurities, after having formed the object of much study upon the part of your Board, was finally solved by the adoption of a by-law placing the sanitary authorities in a position to prevent ice from being cut in doubtful or unhealthy places and to prohibit the sale of such ice in the city.

Another recently adopted by-law of importance to those who

indulge in effervescing drinks, is that which prohibits the use of leaden stoppers for bottles, etc. This law was enacted in consequence of several cases of lead poisoning having been traced directly to the above mentioned source.

The inspection of the plumbing and drain work in new houses begun in 1888, was productive of such good results that it was pursued with still greater care and strictness during the past year. The promulgation of the proposed by-law on plumbing and drainage, drawn up in the same year, was delayed owing to the fact that the needed amendments to the city charter had not been obtained. When the necessary powers are secured, the project will, no doubt, be adopted by the City Council without delay.

Among the important questions that occupied your attention during the year, were the following : The contract for the removal of dead animals, which had to be resiliated and a another contract entered into upon a new basis ; repairs to the Civic Hospital ; treatment by our own physicians of cases of typhoid fever refused admission to the hospitals, and the disinfection of the swampy district where the disease prevailed ; privy cleaning, new sewers, carting of manure though the city as at present practised, prohibition of galvanized iron for soil pipes, cooperation on part of the city police in preventing the depositing of offal etc., upon the public streets, the water tax, necessity of appointing a sanitary policeman to supervise the incineration of house offal, the closing of manholes, etc., ete.

I cannot end this summary of the improvmeats adopted during the year in the interests of public health, without thanking your Board for having chosen me to represent the City of Montreal at the *Congrès International d'Hygiène et de Démographie* held in Paris, France. I shall consider it a sacred duty to see that the public interests shall profit by what I learned there. I also take occasion to thank the chairman of your Board, alderman Hamelin, for having had thegreat kindness, (even as far as to neglect his personal affairs) to keep a surveillance over the Department during my absence.

COMMERCE, STORAGE AND CURING OF GREEN HIDES.

For a number of years past, your Board has been making efforts to have the commerce, storage and curing of hides carried on outside the city limits. If the Federal Government had ordered the removal of the office of its inspector of green hides to our eastern or western abattoir as we had the honor of suggesting to the Hon. minister of the Interior in an interview we had with him at the time of his visit to this city, last year, it would have saved the trouble of obtaining a special by-law to prohibit this industry within the city limits. The occasion upon which the change was asked, was a most opportune one inasmuch as a new inspector had to be appointed to replace the former incumbent who had died. The change in the place of inspection would necessarily bring with it a removal of most of the establishments where curing and storing is now carried on in the heart of the city.

In prohibiting this industry elsewhere than at our abattoirs, a great service would be rendered to the city for many reasons. It would do away with a source of great danger to public health, concentrate a trade which is closely related to the slaughtering business and thus facilitate the transactions of the butchers ; and finally, it would influence a larger number of butchers to frequent the abattoirs with the result of ensuring a larger supply of wholesome meat in our markets, all animals being duly inspected before and after slaughter by an abattoir inspector.

The removal therefore of the hide trade to the abattoirs should be inscribed upon the programme of reforms which your Board should work to secure in the near future.

PRIVATE ABATTOIRS IN THE NEIGHBOURING MUNICIPALITIES.

A number of citizens have had cause to complain of the offensive emanations coming from places where rendering is carried on and from private abattoirs which the municipality of Côte Visitation has allowed to be established within its jurisdiction, immediately outside the city limits.

The complainants at first attributed the foul odors to want of cleanliness at the eastern abattoir ; but, after that establishment had been thoroughly examined it was found that it would be necessary to seek elsewhere for the source of the nuisance. This the abattoir employees pointed out as being the pestilential places of slaughter and rendering located in the neighbouring municipality above mentioned. How could other results be looked for when abattoirs and places where the rendering of tallow is carried on

are allowed to be established in the primitive manner they are to be found in Côte Visitation. The proprietors of those places have been very modest in regard to the style of architecture they have adopted; old barns and dilapidated stables sufficed; ventilation being effected through the doors or other openings not specially made for the purpose. The animals, in many cases, are fed from troughs previously used to drain the urine into the manure boxes, a receptacle for the offal of the slaughter house as well as for the manure. The disjointed flooring allows the blood to run beneath and soak into the earth. There being no drains, the soakage is limited in depth and extend out by the quantity of the sanguineous liquid and the amount of rain fall. The heat of the sun then produces decomposition with the evaporation of putrid and offensive vapors. The well water used for washing the meat is of a most dangerous kind as it is contaminated by the filth with which the earth is saturated.

The Provincial Board of Health who have taken the matter in hand, will see that their regulations are properly carried out. It is to this authority that we must look for a remedy for the present state of affairs which menace the health of the city as well as that of the municipality in question.

N° 173.

BY-LAW TO AMEND BY-LAW NO. 39 CONCERNING NUISANCES.

Passed 28th October, 1889.

At the adjourned monthly meeting of the Council of the City of Montreal, held in the City Hall of the said City, this twenty-eighth day of October, one thousand eight hundred and eighty-nine, after the observance of the formalities prescribed in and by the act of incorporation of the said City; at which meeting not less than two-thirds of the members of the said Council are present, viz: His Worship the Mayor, Jacques Grenier, Esquire: aldermen: Rolland, Stevenson, Archibald, Malone, Rainville, Conroy, Hamelin, Stephens, Villeneuve, A. Dubuc, Farell, McBride Cunningham, Boisseau, Grenier, Perreault, Clendinneng, Griffin, Thompson, Germain, J. B. R. Dufresne, Wilson, W. Kennedy, Martineau, P. Kennedy, Savignac.

It is ordained and enacted by the said Council, and the said doth ordain and enact as follows:

Sec. 1. Sections 4 and 5 of By-Law No. 39 passed by the said Council on March 15th, 1870 are repealed,

Sec. 2. The proprietor or occupant of any lot of land built upon or vacant, having stagnant and filthy water upon it, or that it is in such condition as to be dangerous to the public health—or the agent of the proprietor, or any person having charge thereof, in the absence of the proprietor, shall cause such stagnant and filthy water to be drained or such lot to be filled up and properly levelled and shall take such other means as may be prescribed by the health officer to put said property in a sanitary condition.

Sec. 3. In case the owner of such lot cannot be found and there be no person in the occupation thereof, and no one to represent the proprietor, or should such proprietor, or occupant or other person in charge thereof, refuse or neglect to drain, cleanse, fill up or level the same, after a twenty-four hours' written notice from the health officer; or should he be unable for want of means to cleanse, fill up or level such lot, it shall be the duty of the said health officer, after due notice as aforesaid, to cause the said work to be done: and the amount so expended shall constitute a lien on the said lot and shall be recoverable in the same manner as a special tax thereon.

Sec. 4. In case there is no owner, or the owner cannot be found, and there is no one in occupation of the lot, the notice herein prescribed shall be posted in a conspicuous place upon the lot, and such notice shall be deemed sufficient.

Sec. 5. Every person offending against any of the provisions of this By-Law shall be liable to a fine with costs or an imprisonment, or to a fine, and in default of immediate payment of said fine and costs, to an imprisonment, the amount of said fine and the term of said imprisonment to be fixed by the Recorder's Court at its discretion; but such fine shall not exceed forty dollars and the imprisonment shall not be for a longer period than two calendar months; the said imprisonment, however, to cease at any time before the expiration of the term fixed by the said Recorder's Court, upon payment of said fine and costs, and the offender shall be liable to the same penalties for each and every day that such violation or contravention shall last, which shall be held to be a distinct and separate offence, for each and every day as aforesaid.

N° 176.

BY-LAW TO REGULATE THE CUTTING OF ICE FOR THE SUPPLY OF THE CITY OF MONTREAL

Passed 18th November, 1889.

At a special meeting of the Council of the City of Montreal, held in the City Hall of the said City, this eighteenth day of

November, one thousand eight hundred and eighty-nine, after the observance of the formalities prescribed in and by the act of incorporation of the said City; at which meeting not less than two-thirds of the members of the said Council are present viz: His Worship the Mayor, Jacques Grenier, Esquire; aldermen Rolland, Jeannotte, Archibald, Malone, Rainville, Conroy, Hamelin, Stephens, Villeneuve, A. Dubuc, Farrell, McBride, Cunningham, Boisseau, Grenier, Tansey, Perrault, Clendinneng, Griffin, Laurier, Rousseau, Thompson, Germain, J. B. R. Dufresne, Wilson, W. Kennedy, Martineau, P. Kennedy, J. M. Dufresne, Savignac, P. Dubuc.

It is ordained and enacted by the said Council, and the said Council, doth ordain and enact as follows:

Sec. 1.—Ice for storage and use in the City, shall be taken from the river St. Lawrence, opposite the City, or any other place approved and described by the Board of Health.

Sec. 2.—The City Surveyor, every year, shall lay out and indicate the place or places, on the river, where such ice may be cut of which he shall give public notice.

Sec. 3. No person shall be allowed to cut ice on the river, in the place or places so laid out and indicated, unless he be provided with a written permit to that effect from the City Surveyor, for which he shall pay to the said surveyor, for and on behalf of the City, the sum of two dollars; said permit to be renewable every year, on payment of a like sum.

Sec. 4.—In order to avoid accidents, the City Surveyor shall require that, before commencing operations, ice dealers shall enclose the space or spaces they are to occupy for ice cutting, by a wooden fence or a sufficient railing, at least four feet high, and distant fifty feet at least from the cut or opening.

Sec. 5.—No person shall bring into the City, or carry therein, for storage, sale, use or refrigerating purposes, any ice except the same be taken from the river St. Lawrence or other place, as provided in section one.

Sec. 6. Every person offending against any of the provisions of this By-Law shall be liable to a fine, and in default of immediate payment of said fine, and costs, to an imprisonment, the amount of said fine and the term of said imprisonment to be fixed by the Recorder's Court, at its discretion; but such fine shall not exceed forty dollars, and the imprisonment shall not be for a longer period than two calendar months; the said imprisonment, however, to cease at any time before the expiration of the term fixed by the said Recorder's Court upon payment of the said fine and costs, and the said offender shall be liable to the same penalties for each and every day that such violation or contravention shall last, which shall be held to be a distinct and separate offense for each and every day as aforesaid.

STATEMENT SHOWING THE EXPENDITURE INCURRED FOR SANITARY PURPOSES DURING THE YEAR 1889.

NATURE OF APPROPRIATIONS.		Appropriation.	Expenditure.	Over Expenditure.	Balance remaining.
		$ c.	$ c.	$ c.	$ c.
Staff:					
Medical Health officer	$2900				
Sanitary Inspector	1100				
Secretary	700				
Accountant	600				
Notice Clerk	600				
Counter "	520				
Registration Clerk	468				
Notice server	500				
Office boy	104				
3 Vaccinators @ $600	1800				
4 Meat Inspectors @ $600	2400				
1 Sergeant of Sanitary Police	624				
12 Sanitary Policemen @ 9,00	5616				
2 Additional "	900	18832 00	18720 59		111 41
Miscellaneous:					
Scavenging and cremation		53010 00	53010 60	60	
Maintenance of Hospital		1933 00	1977 78	44 78	
Purchase of vaccine		300 00	274 15		25 85
Disinfectants		575 00	587 59	12 59	
Public baths		400 00	393 79		6 21
Reports of births		350 00	339 75		10 25
House of refuge		200 00	190 00		10 00
Vehicle hire for Inspectors		1200 00	1053 63		146 37
Removal of dead animals	$250	1150 00	1150 00		
From reserve fund	900				
Burial of unknown persons		300 00	295 50		4 50
Uniforms for police		850 00	789 41		60 59
Contingent expenses		400 00	401 20	1 20	
Food analysis		300 00	291 59		8 41
Instruments		100 00	101 27	1 27	
From reserve fund for repairs to Civic Hospital		950 00	950 00		
		80850 00	80526 85	60 44	383 50
Balance remaining			323 15		
			80850 00		

Table showing the number of remissions, reductions and delays granted in connection with the payment of water taxes, during the year 1889, on account of poverty and sickness.

	Remission on account of			Total	Reductions on account of			Total	Delay on account of			Total	Refused	Total
	Poverty	Sickness	Sanitary requirements.		Poverty	Sickness	Sanitary requirements.		Poverty	Sickness	Sanitary requirements.			
1889	126	23	.....	149	110	26	5	141	105	143	239	487	172	172
1888	124	64	2	190	41	14	8	63	45	138	114	297	41	41
1887	113	63	5	181	20	16	6	42	41	70	53	164	16	16

	1889	1888	1887
Applications granted..	777	550	387
" refused	172	41	16
" abandoned.....	264	170	123
Total.....	1213	761	526

MILK INSPECTION.

The testing performed by our Milk Inspector was accomplished by means of Quevenue's Lacto-densimeter and Feser's Lactoscope. One thousand and eight samples were examined by him, from the 8th April to the 31st December, and they gave the following results :

Density by lacto-densimeter	Quantity of butter according to the Feser Lactoscope.														
	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50
1020 to 21	...	...	...	.....	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
1021 " 22	...	1	...	1	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....
1022 " 23	...	...	...	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....
1023 " 24	...	...	1	.....	.....	2	.....	.....	1	1	.....	.....	.....	.....	.....
1024 " 25	...	...	...	.....	.....	.....	.....	3	1	.....	.....	.....	.....	1	1
1025 " 26	...	...	...	1	1	3	.....	.....	.....	.....	.....	.....	.....		.....
1026 " 27	...	...	...	1	9	4	3	4	4	.....	2	.....	.....	.....	.....
1027 " 28	...	...	...	4	10	5	5	9	8	5	2	.....	.....	.....	.....
1028 " 29	...	...	1	3	7	8	10	13	25	11	4	1	.....	1	.....
1029 " 30	...	...	1	.....	6	11	18	58	51	11	11	2	.....	.....	.....
1030 " 31	...	...	1	2	15	24	30	68	61	18	13	.....	.....	.....	.....
1031 " 32	...	1	..	2	13	16	20	32	42	22	10	4	.....	.....	1
1032 " 33	...	...	4	5	4	14	24	37	37	11	10	.....	.....	.....	.....
1033 " 34	...	...	...	1	4	7	11	18	23	12	6	4	1	.....	.....
1034 " 35	...	...	...	.....	1	3	1	6	5	.....	3	1	1	.....	.....
1035 " 36	...	...	...	1	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....
1036 " 37	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
1037 " 38	...	...	...	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
1038 " 39	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total....	...	2	8	21	73	97	123	249	261	91	62	13	2	3	3

Density.	*Quantity of butter.*
Minimum 1020	Minimum 1.25.
Mean 10305	Mean 2.76.
Maximum 1037	Maximum 4.50.

There were 376 licenses issued by the Milk Inspector to milkmen residing in the city and surrounding municipalities.

IN THE CITY (ACCORDING TO WARDS.)

St. James Ward	12
St. Mary Ward	48
St. Jean-Baptiste Ward	39
St. Louis Ward	6
St. Antoine Ward	27
St. Gabriel Ward	17
Hochelaga Ward	4
Total	153

IN THE SURROUNDING MUNICIPALITIES.

Maisonneuve	7
Côte Visitation	13
Côteau St-Louis	17
Mile End	12
Outremont	5
Côte St-Antoine	5
St-Henri	5
Ste-Cunégonde	10
Côte St-Luc	9
Côte St-Paul	17
Longue-Pointe	20
Pointe aux Trembles	5
St-Léonard Port Maurice	15
Sault-au-Récollet	12
St-Laurent	46
Blue Bonnets	7
Lachine	8
Verdun	10
Total	223
Traders in milk	43
Milkmen	233

INSPECTION OF THE MILK DELIVERED AT THE RAILWAY DEPOTS AND AT THE STEAMBOAT LANDINGS.

PLACE OF DELIVERY.	Quantity received per year, in gal.	Quantity received per day, in gal.	Remarks.
Longueuil Landing	6720	28	Season of navigation
Bonaventure Depot	347360	826	Whole year
Dalhousie sq "	96725	265	" "
Mile End "	10104	36	" "
Total	460909	1155	

Milkmen summoned before the Recorder's Court for having in their possession adulterated milk 48

Milkmen condemned to fines ranging from $5.00 to $10.00 40

Cases lost upon legal technicalities 6

Sentences suspended at the request of the Inspector on account of poverty 1

Warrant against a milkman for having refused to allow his milk to be examined 1

COMPARATIVE TABLE SHOWING THE LICENSES GRANTED IN 1888 AND 1889.

Years.	Two wheel vehicles.	4 wheel vehicles.	Hand-carts	Groceries.	Total.
1888	212	139	.....	.....	351
1889	218	149	23	13	403
Increase over 1888..	6	10	23	13	52

The increase in the licenses issued (the cost of each being $1) augmented the total revenue from milk licenses by..... $52 00

MILKMEN FINED.

1 paid a fine of	4.00		4.00
4 " "	5 00 each		20.00
1 " "	7.00		7.00
33 " "	10.00 each		330.00
2 " "	12.00 "		24.00
1 Condemned for refusing to allow his milk to be examined, to a fine of			10.00
			$395.00

Increase in licenses	$ 52.00
Fines paid	395.00
Total amount	$447.00

In an unsanitary condition.

Months.	Regular visits.	Special visits.	Number of days of extraor. duties	Drains.	Cellars.	Sinks.	Waste-pipes.	Water closets.	Soil-pipes.	Ventilation.	Number of privy-pits.	Privies in bad order.	Privy-pits full.	Wood'n slop tr'ks	Dirty yards.	Stables.	Coll. of manure.	Dirty lanes.	Dirty vacant lots	Unhealthy houses.	Dwellings closed up.	Damp houses.	Fowl in houses.	Over crowded houses.	Wells filled up.	Nuisances caused by illuminat. gas	Manure boxes made.	Manure boxes creat'g nuisance.	Water pipes burst.	Dirty houses.	Total.
January...	2535	503		51	21	7	121	32	18	20	84	5	7	4	9	...	25	1	...	.....	.....	2	1	1	...	.....	.....	.....	2	...	
February..	1069	362		35	4	2	63	45	5	27	67	1	2	...	2	...	10	.....	...	.....	.....	...	1	.....	...	.....	.....	.....	2	...	
March.....	1669	483		49	15	1	95	53	22	50	125	2	1	1	85	1	45	2	...	.....	.....	...	2	.....	...	.....	.....	.....	3	...	
April.....	898	984		81	49	5	76	54	22	40	93	7	12	...	328	1	42	138	4	.....	.....	2	.....	.....	...	.....	.....	.....	4	...	
May.....	905	1467		98	81	7	119	103	40	57	238	12	31	4	258	7	141	111	10	3	1	2	.....	.....	1	2	4	3	2	2	
June.....	473	1134	288	83	55	19	83	49	15	47	203	8	27	2	92	7	224	181	16	3	2	4	.....	.....	1	2	5	2	1	...	
July.....	1861	1208		109	66	11	110	68	21	49	349	14	30	11	73	3	93	12	13	2	1	...	.....	.....	1	1	6	4	.....	...	
August.....	3430	1068		155	59	42	211	65	15	42	398	16	20	5	44	4	44	13	2	3	1	...	.....	.....	...	1	2	2	.....	...	
September	3396	837		112	61	13	212	76	24	47	300	21	25	20	58	8	45	36	7	.....	.....	2	.....	.....	...	1	.....	.....	.....	...	
October ...	4194	569		128	46	20	241	108	47	125	220	6	28	9	47	...	46	20	6	.....	.....	...	.....	.....	...	.....	.....	.....	.....	...	
November	3420	517		105	31	14	196	83	46	80	172	4	21	8	13	1	26	15	6	.....	.....	...	.....	.....	...	.....	.....	.....	.....	..	
December.	3887	395		93	51	6	180	44	18	34	110	2	6	1	8	2	52	2	...	.....	.....	...	.....	.....	...	...	.....	.....	.....	...	
Total....	27737	9527	288	1099	539	147	1707	780	293	618	2359	98	210	65	1017	34	793	531	64	11	5	12	4	1	3	7	17	11	14	2	

REPORTS OF SANITARY POLICE (1889).

Nuisances abated.

MONTHS.	Regular visits.	Special visits.	Number of days of extraord. duty	Drains.	Cellars.	Sinks.	Waste pipes.	Water-closets.	Soilpipes.	Ventilation.	Number of privy-pits cleaned.	Privy in bad order.	Privy pits emptied.	Wooden slop t'ks	Dirty yards.	Stables.	Coll. of manure.	Dirty lanes.	Vacant lots.	Unhealthy hous's	Houses closed up	Damp houses.	Fowl in houses.	Overcrowded. houses.	Wells filled up.	Nuisances caused by illuminat. gas	Manure boxes constructed.	Nuisances caused by manure boxes	Broken water sponts.	Dirty houses.	Total.
January...	2535	503		42	17	7	110	23	12	13	77	4	1	3	9	...	21	1	...	...	...	2	1	1	...	.....	.....	.....	2	...	
February..	1069	362		29	4	1	59	32	5	21	66	1	.....	...	2	...	10	....	...	...	...	...	1	.....	...	.....	.....	.....	2	...	
March.....	1669	483		48	15	1	91	46	14	43	121	2	1	1	85	1	45	2	...	...	...	..	2	.....	...	.....	.....	.....	3	...	
April.....	898	984		78	35	5	69	49	20	32	88	5	11	...	208	1	40	137	4	...	...	1	.....	.....	...	.....	.....	.....	4	...	
May.....	905	1467	288	91	79	6	107	100	38	48	229	12	26	4	253	7	138	111	10	2	1	1	.....	.....	1	2	4	3	2	2	
June	473	1134		73	54	18	72	45	15	39	198	8	16	2	92	7	208	181	16	2	2	2	.....	.....	1	2	5	2	1	...	
July.....	1861	1208		104	61	10	103	64	17	37	333	14	20	8	72	2	93	11	12	1	1	...	.....	.....	1	1	6	4	.....	...	
August.....	3430	1068		138	54	34	193	60	12	38	382	14	9	5	43	3	43	13	1	2	1	...	.....	.....	...	1	2	2	.....	...	
September	3396	837		107	57	10	188	60	23	40	295	20	15	15	56	8	41	36	4	...	...	2	.....	.....	...	1	.....	.....	.....	...	
October....	4194	569		118	42	18	222	76	39	86	209	6	25	5	46	...	46	20	2	...	...	...	.....	.....	...	.....	.....	.....	.....	...	
November	3420	517		86	30	7	188	65	39	50	159	4	11	7	12	1	26	15	1	...	...	...	.....	.....	...	.....	.....	.....	.....	...	
December.	3887	395		82	51	6	154	35	15	24	101	2	3	1	7	2	52	2	...	...	...	...	.....	.....	...	.....	.....	.....	. –	...	
Total .	27737	9527	288	996	499	123	1556	655	249	471	2258	92	138	51	885	32	763	529	50	7	5	8	4	1	3	7	17	11	14	2	

The 288 days indicated in the table as having been devoted to extraordinary duties, may be divided up as follows :—

Disinfection	1 day	Milk inspection	1½ day
Recorder's Court	18½ "	Lanes	38 "
Keeping watch over the collection of the ice supply	14 "	Inspection of houses infected by contagious diseases	68 "
Inspection of manholes	18 "	Holidays	5 "
Scavenging	6 "		
On duty at the city scavenger's crematory	57 "	Total	288

J. B. Cardinal, *server of vaccination notices and inspector of cases requiring remission of the water tax* :—Made 1237 reports upon applications for remission of the water tax ; served 7009 vaccination notices ; made search for the residences of 250 persons who had removed and upon whom vaccination notices had to be served ; collected the lists of births from the churches and paid to each church the amount due for said lists.

INSPECTION OF NEW HOUSES DURING THE YEAR 1889.

WARDS.	Permit.		Without permit.		Dwellings.	Water-Closets.	Privy-pits.	REMARKS.
	Houses built.	Houses unfinished.	Houses built.	Houses unfinished.				
Hochelaga	4	.....	.....	.....	35	35	.....	
"	.....	.....	13	.....	13	13	.....	
"	.....	7	.....	.....	.....	.....	.....	
"	.....	.....	.....	1	.....	.....	.....	
St-Mary	30	.....	.....	.....	119	128	.....	
"	.....	.....	45	.....	45	45	.....	
"	.....	20	.....	.....	.....	.....	.....	
"	.....	.....	.....	2	.....	.....	.....	
St-James	27	.....	.....	.....	73	75	.....	
"	.....	.....	6	.....	6	6	.....	
"	.....	20	.....	.....	.....	.....	1	
"	.....	.....	.....	5	.....	.....	.....	
St-Louis	7	.....	.....	.....	20	25	.....	
"	.....	.....	14	.....	14	14	.....	
"	.....	.....	.....	2	.....	.....	.....	1 School.
East	3	.....	.....	.....	13	16	.....	1 Stable.
St-Lawrence	21	.....	.....	.....	75	84	.....	
"	.....	.....	30	.....	30	31	.....	
"	.....	19	.....	...	.....	.....	.....	1 church. 1 Workshop.
"	.....	.....	.....	2	.....	.....	.....	
St-Antoine	30	.....	.....	.....	76	96	.....	
"	.....	.....	43	.....	43	49	.....	
"	.....	32	.....	.....	.....	.....	.....	5 Factories. 1 Stable. 1 Shop.
"	.....	.....	.....	3	.....	.....	.....	
St-Ann's	4	.....	.....	.....	9	13	.....	
"	.....	.....	5	.....	5	10	.....	
"	.....	4	.....	.....	.....	.....	.....	2 Ice houses.
"	.....	.....	.....	1	.....	.....	.....	
Centre	2	.....	.....	.....	32†	32	.....	
"	.....	3	.....	.....	.....	.....	.....	1 Shop.
St-Jean-Baptiste	15	.....	.....	.....	61	70	.....	
" "	3	.....	.....	.....	3	.....	3	Street without a sewer
" "	.....	.....	52	.....	52	60	.....	
" "	.....	15	.....	.....	.....	.....	1	
" "	.....	.....	.....	7	.....	.....	.....	
St-Gabriel	9	.....	.....	.....	31	31	.....	
"	.....	.....	1	.....	1	1	.....	
"	.....	11	.....	.....	.....	.....	.....	
"	.....	.....	.....	4	.....	.....	.....	
Total	155	131	209	27	755	834	5*	

† 32 Offices.

* The department could not help tolerating for the time being,

those five privy-pits as there are no sewers in the streets where they are located. The department, through the Sanitary Inspector, took all the measures possible to hasten the laying of the needed sewers as there was a special understanding with the proprietors of the premises where the privies are built that the pits should be done away with and be replaced by water-closets as soon as the streets are provided with sewers.

The above table shows that 209 proprietors neglected to conform to the law in failing to take out a permit at the Building Inspector's office, that official having granted only 155 permits. It is well, however, to note that these 155 represent 546 dwellings, while the 209 only represent one dwelling each. The most, if not all, the owners of the 209 houses are small proprietors who built for the accommodation of their own families only.

The inspection of new houses last year was carried out, in almost all cases, by an inspector appointed by us for that special duty.

Although section 26 of By-law 105 provides that every person who shall build, rebuild or alter any house or building, shall give written notice thereof, with a plan and description to be approved of by the Board, yet it could not be enforced owing to its not being sufficiently definite. So soon, however, as the by-law on plumbing and drainage is adopted, the plans will have to be sent in to the department to be approved by an architect, who will be entrusted with the duty of supervising the house drains throughout the city.

—o—

SEWERS.

Previous to 1883, a petition for a public sewer required to bear the signatures of a majority of the proprietors interested, otherwise the city could not collect from them their part of the cost of the work. There was at that time no other means of declaring the laying of a sewer a public necessity. Since then, the law has been changed, and the city has obtained the right to cause the construction of a public sewer and to collect the necessary proportion of the cost from the proprietors interested if the sewer is declared necessary in the interests of public health by your Board. Although this modification of the law is only a half measure in the direction of securing proper sewerage for the city, it helps us to deal with the more unhealthy localities, and that frequently against the will of avaricious proprietors but to the advantage of tenants.

What delays and useless loss of time occur in following the official formalities required in proceeding to have a drain constructed in accordance with the law ! Apart from certain cases of very great urgency in which the Board take upon themselves to recommend the immediate construction of a sewer, a demand for the laying of a sewer is made by means of a petition from the proprietors addressed to the Road Department. Although it is not *de rigueur* that the petition should bear the signatures of all the proprietors, it is preferable to have it signed by as many as possible. From the Road Department the petition is sent to the Health Department. The Sanitary Inspector, whose duty it is to attend to the matter, draws up a report stating the result of his visit to the locality needing the sewer ; and this report countersigned by the medical Health officer, is submitted and read at the next meeting of the Board of Health. If the report declares it necessary in the interests of public health that a sewer should be laid, the Board adopts a resolution recommending that a report to that effect be made to council. The Secretary draws up a report which is signed by at least four members and to which is annexed the report of the sanitary inspector, and the whole is then submitted to Council. After the report is read in council it is sent to the Road Committee, then to the Finance Committee ; after which it is again submitted to Council, where it is finaly adopted and the mayor authorized to sign the contract for the execution of the work. Thus, a petition for a sewer having to be presented, considered and adopted by three different committees and by the council (and always at a regular meeting), it is not surprising that it should take from six to eight weeks before it is finally disposed of. When the work is not done by the Road Department itself, there must be added the time it takes to advertize for tenders, award the contract and prepare for the immediate carrying out of the work.

All those reports and all this trouble may be considered as simply wasted in view of the fact that in the matter of public health, the theoretical and practical authorities agree in considering sewers as the principal factors in placing cities in a sanitary condition. They are veritable bowels which serve to remove the filth that would otherwise poison the community. It is therefore upon the perfecting and extending of our sewerage system that we must mainly rely for maintaining the health of so large a city as ours.

In the report presented on the 20th of April by the Committee appointed to study the best method of perfecting our system of sewerage as well as the regulating of plumbing and drainage work, the annexed report of the Deputy City Surveyor, a member of the sub-committee upon public sewers, makes known the facts cited below, the importance of which demand your serious attention.

Is there another question of such importance with respect to the sanitary condition of Montreal as that of its sewerage system? I do not believe there is. This question is all the more pressing as our City Council has the intention of spending, in the near future, millions of dollars for the permanent paving of the streets. Before deciding upon carrying out such vast works, it would be prudent to commence by making certain of the value of our sewers as to quality and quantity. A permanent sewerage system is certainly of the first importance. Every body knows that, for the last ten years, more sewers have been built than hitherto, but without any system.

What is first required, and what has not been made, up to the present, is a general list or inventory of the net work of sewers throughout the city, in order that the exact number of miles of sewers compared with the length of streets, may be known; and of the number of sewers we possess, how many may be considered suitable and properly constructed; how many defective or dangerous whether owing to their shape, their fall, their construction or the nature of the materials of which they are composed.

These facts are so little known, that it has happened that the Road Department itself has granted permits to open streets in order that a search might be made for the public sewer, and that in cases in which there were no sewers in the streets.

The following are the principal observations which Mr. Lavallée, Deputy City Surveyor, was kind enough to submit as one of the members of the sub-committee of three engineers appointed to study and report upon the question of the improvements that might be made in the system of public sewers:

" The public drainage of the city of Montreal is not as imperfect " as represented by some, nor as perfect as it can and should be : " there being no regular system of drainage but simply separate

" and detached sections of sewers. Some of these sewers are well " built, while others are defective, in shape, grade, materials, etc.

1. " There are in the city 100 miles of sewers and about 150 miles " of streets ; leaving out one third of the city without drains. Of the " existing 100 miles of drains, some 30 miles are old and badly built.

2. " As a general rule the grades of our sewers are good, but there " are numerous exceptions to the rule, even the sewers having a " good fall cannot, forever, remain free from deposits. In the ma- " jority of cases when openings are made in the sewers to make con- " nections for private drains, shafts etc., deposits varying from six " inches to a foot, in depth are found in the inverts of sewers.

3. " The majority of our sewers have no manholes for inspection " and ventilation.

4. " The street gullies of this city like those of most american " cities, including New-York, are receptacles for all animal, excre- " mental and vegetable matters carried off the streets, by water, " and intercepted on their way to the sewer. A great many shafts " are cleaned but once or twice a year: during the interval, the " putrid matter in the bottom of the gully is in close proximity to " the dwellings.

5. " Most of our sewers are hermetically closed up during sum- " mer and winter and receive no ventilation except through the " dwellings.

6. " The sewerage of the city is discharged into the St. Lawrence " river through three principal outlets : one at the head, the second " at the center and the third near the foot of the Harbor. This " causes serious annoyance and danger to the population engaged " in shipping etc. and that residing on the water front.

" To remedy the above enumerated defects I would suggest, " taking the objections in their order :

1. " To complete without delay the 50 miles of sewers missing to " obtain the drainage of existing streets, and renew the 30 miles of " defective sewers.

2. " To obtain each year a sufficient sum to have the sewers " cleaned up free from all deposit and flushed thoroughly. In the " low lying districts the sewers can be flushed by means of large " pipes connected with the water works waste weir, keeping a cons- " tant flow of pure water through the sewers in dry weather. These " pipes could be shut off in time of rain.

" The sewers on high levels can be united in series, at a sufficient " height, and by means of flood gates the flow of the whole of the " sewers of that series, having been retained and gathered for some " time could be directed to a single sewer at a time and alternately " to all the sewers thus connected.

3. " Manholes with perforated covers should be placed on all " sewers old and new, at intervals of about 150 feet and made to cor- " respond with two street gullies, one on either side of the street.

" The dimensions of the manholes must be sufficient to receive " receptacles for the deposits from the street gully connections and " afford facilities for cleansing the sewer, between manholes.

4. " The street gully connection should run straight to the sewer " and its receptacle and trap be in the manhole, in the middle of the " street instead of being in close proximity to the dwellings. By " placing the street gullies opposite one another a manhole would " be sufficient for two gullies and even four (at the intersection of two " streets.) This disposition of the gullies would also facilitate the " ventilation of sewers in winter (see next paragraph.)

5. " The ventilation of sewers should be obtained : in summer in " the centre of the street, through the perforations of manholes ; in " winter the centre of the street being sealed up by ice the sewers " should be ventilated through the street gully connections. To " secure the opening of the gully connections from being blocked by " ice and snow and also to prevent the danger arising from a deep " hole in the roadway near the curbstone, a nine inch elbow pipe " (made of the material least subjet to hoar-frost) should be run from " over the gully connection, through the shaft plate to a height of " five feet above the line of sidewalk. All the orifices of these elbow " pipes to be turned towards the centre of the street. By this con- " trivance the dwellings are not exposed to the emanations from the " shaft nearest to them, as in case of wind the pipe to leeward beco- " mes a fresh air inlet and the one exactly opposite or to windward " discharges toward the centre of the street the gases expelled from " the sewer by the current produced by the inlet. The tempera- " ture of the sewer is also reduced and decomposition prevented.

6. " The outlets of the sewers, now discharging into the river " should be reduced to one and that carried below the city.

" The subject of public drainage is open to extensive study and " considerations which do not come within the compass of a brief " report like this one but the above mentioned are the most salient " defects in our public drainage and the remedies suggested are " quite attainable. "

The foregoing observations only serve to confirm our recommendations and may be resumed as follows :

1. Cause a detailed list showing the quality of all our sewers, to be made immediately.

2. Cause the sewers that are wanting, to be constructed and renew those that are defective in order that the system may be rendered as perfect as possible.

3. Prohibit the opening of any street private or public until the necessary water service pipes and sewers are laid in them.

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LIST OF STREETS REQUIRING PUBLIC SEWERS REPORTED UPON TO COUNCIL BY THE BOARD OF HEALTH DURING THE YEAR 1889.

Albert street, continuation of existing sewer as far as St. Luke St.
Amherst steet, between Rachel and St. Jean-Baptiste streets.
Aqueduct street, from Dorchester street to Argyle Avenue.
Archambault street, Lane.
Barrack street, between Notre-Dame and Commissioners streets.
Bourgeois street, from Leber street northwards to near Favard st.
Bayle street, from Fort street eastwards.
Buckingham street, from St. Luke to St. Catherine street.
Charron street, from Favard eastwards to the end of the street; and from Leber to Favard streets.
Coleraine street, from Napoleon Road to Hibernia street.
Concord street, from end of present sewer westwards.
Coursol street, connection of sewer with sewer in Dominion street.
Dalhousie street, from Wellington to Common streets.
Darling street, from St. Catherine to Notre-Dame streets.
Durham street, from Rachel to Marie-Anne streets.
Edinburgh street, from Charron to Liverpool streets.
Maple street.
Frontenac street, from end of present sewer to Forsyth street.
Gain street, from end of present sewer to St. Catherine street.
Harbour street, from Ontario street northwards.
Iberville street, from the sewer in Ontario street northwards.
Island street, between St. Patrick and Grand Trunk streets.
Lagauchetière street, from Chenneville to Côté streets.
Leber street, between Bourgeois and Rosaire street; from Sebastopol street westwards.
Lo.an street, from Moreau to Marlborough streets.
Lusignan street, from Barré street sewer to a distance of 45 yards northwords.
Madelaine street from the present brick sewer to the Grand Trunk yard.
Manufacturers street, from Island to St. Andrew streets.
Marie-Anne street, from Panet street to Papineau Road.
McGregor street.
Mignonne street, from Dufresne street eastwards.
Mitcheson Avenue.
Montana street, from Rachel to St. Jean-Baptiste streets.
Moreau street, from the end of the Ontario street sewer to the last house in Moreau street, northwards.
Mullins street, between Hibernia and Napoleon Road.
Nellada street, from Dufsesne street westwards.
Napoleon Road, between Grand Trunk and Wellington streets.

Notre-Dame street, in Hochelaga road, from the present sewer to the river.
Ontario street, continuation of present sewer to Ruisseau Migeon.
Pantaléon street, from Napoléon to St. Jean-Baptiste streets; from Napoleon street to city limits.
Papineau Road.
Plessis street.
Poupart street, from Logan to Ontario streets.
Quiblier street, from Fort to Sussex streets.
Rachel street, from end of present sewer to Berri street.
Rosaire street, from Leber street to near Wellington street; extend the prevent sewer 90 yards.
Rozel street, from Napoleon Road to Hibernia street.
Roy street, between Amherst and Mentana streets.
Shearer street between Grand Trunk and Mullins streets.
Sherbrooke street, from Redpath to Simpson streets.
Sexton street, (St. Jean-Baptiste ward) from Rachel to Marie-Anne streets.
Sydenham street, from Rachel to Marie-Anne streets.
St. Antoine street, from Seigneurs street to the city limits, westwards.
St. Cuthbert street, continue present sewer to St. Urbain street.
St. Charles street.
St. Catherine street, from end of present sewer eastwards to Darling street.
St. Denis street, from Mignonne to Craig streets.
St. Jean-Baptiste street, between Drolet and Sanguinet streets; between Maple and Amherst streets.
St. Félix street, between Albert and Notre-Dame streets.
St. Lawrence street, from Vitré to Ontario streets.
St. Luke street, from Chomedy street to Atwater Avenue.
St. Thérèse street.
Wellington street, from the end of the present sewer to the city limits.

REMOVAL OF DEAD ANIMALS.

1889	Horses.	Cattle.	Calves.	Sheep.	Pigs.	Goats.	Dogs.	Cats.	Fowls.	Tainted meat.	Animal offal.	Fish.	Outside the City. Horses	Outside the City. Cattle.
January	67	5	3	1	...	...	25	16	2	...		...	.....	.....
February	58	6	2	...	...	...	28	11	...	1	...	11	.....	.....
March	61	8	2	2	1	5	71	40	...	8	...	10	6	.....
April	58	22	2	...	1	5	133	132	7	3	...	1	3	.....
May	52	14	8	...	10	8	206	253	19	11	2	28	5	.....
June	37	16	17	...	1	5	114	177	8	7	7	10	2	7
July	62	18	4	5	2	6	139	175	3	14	5	7	3	2
August	65	14	...	1	...	1	98	157	5	4	1	1	11	2
September	73	12	2	10	...	2	85	101	1	3	...	5	2	3
October	52	14	...	22	..	3	70	66	...	...	...	2	5	.....
November	45	11	2	8	...	2	38	55	...	...	...	2	2	2
December	47	1	2	2	...	1	65	21	...	2	...	3	7	.....
Total	677	141	44	51	15	38	1072	1204	45	53	15	80	46	16

Horses suffering from Glanders killed by order of the Health Department.

March 28..... 1
April 4..... 1
June 24..... 1

Total..... 3

STATEMENT SHOWING

1889	Hochelaga.		St-Mary's.		St-James		St-Louis.		St. Lawr'ce		St-Antoine.	
	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.
Janu'ry	3	198	2	72	2	143	.....	.....	1	40	11	992
Feb'ry.	12	866	2	76	3	140	3	112	1	40	2	72
March.	15	1143	5	405	4	302	13	801	9	1070	22	1626
April.	1	69	12	978	10	752	10	889	12	1044	42	3158
May.....	.....	.....	48	4101	31	2070	39	2901	35	2964	26	1921
June....	3	228	35	2339	27	2178	34	2241	35	2914	36	2990
July.. ..	9	550	29	2162	29	2570	35	3133	46	3771	45	3338
August.	12	625	26	2151	33	2738	22	1601	39	2528	28	2981
Sept.....	12	723	35	3352	23	1907	28	1738	38	4445	30	1987
Oct.....	6	625	47	4265	14	915	42	2525	41	3507	33	2759
Nov.....	11	741	29	2644	23	2093	41	2571	19	1645	30	2348
Dec.....	32	556	12	1336	8	470	22	1183	6	468	21	1456
	116	7324	282	23881	207	16279	289	19695	282	24436	320	25628

PRIVY CLEANING.

The foregoing statement shows that, this year, the scavenger cleaned 202 more privies than last year, or an increase of 31,878 cubic feet. This augmentation in the number of pits distributed according to wards was, as follows: St-Lawrence 102; St. Mary 63: Hochelaga 58; and St. Anns 31 pits.

The months of August and July are those in which most pits are cleaned. This season is certainly an unsuitable one for such kind of work. Our predecessors were wiser than we, as formerly there was a by-law in existence prohibiting the cleaning of privies during those months.

Yet, if things have thus happened it is due to the negligence of the contractor, who has likewise the contract for the city scavenging and who, to save the expense of a special service, engaged his horses, vehicles and men in the double duty of cleansing privies and removing the offal from the city as well as cleaning the lanes during the whole of the moving time, in spring. Thus the privies that should have been cleaned in May and June were not attended to until July and August to the great detriment of public health and to the disadvantage of the department which, owing to this cause, has been accused of want of energy. At a meeting held before my departure for Europe, I had the honor of pointing out to your Board the fact that 140 orders had been neglected, more than 100 of which were six weeks behind hand. The enforcing to-day of the by-law alluded to which prohibited the cleaning of privies during the hot summer

THE NUMBER OF PRIVIES CLEANED IN EACH WARD.

St. Ann's.		West.		Centre.		East.		St-Jean-Bte		St-Gabriel.				Total.	
Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Connected with sewer.	Unconnected with sewer	Number of pits.	Number of cubic feet.
26	2690	.....	.....	.....	.....	.....	.....	.....	.....	3	108	13	35	48	4243
34	4228	.....	.....	1	60	.....	.....	.....	.....	1	115	23	36	59	5709
68	6587	.....	.....	.....	.....	2	148	3	403	5	287	43	105	146	12772
30	3154	2	167	2	186	1	206	4	298	3	150	39	90	129	11051
40	2820	1	36	1	270	6	308	13	686	6	783	80	166	246	18860
44	3578	.....	.....	1	60	8	1661	5	360	21	1842	52	197	249	20391
41	4122	2	120	1	120	6	455	12	604	11	1481	60	206	266	22427
89	9461	1	258	2	234	5	479	22	1097	26	2629	46	258	305	26782
37	5755	4	353	....	.....	3	135	15	672	11	719	60	176	236	21786
52	4555	1	120	1	36	.....	.....	7	403	8	476	52	200	252	20186
28	1931	.....	.....	1	36	3	527	5	504	16	1246	21	184	206	16486
8	485	1	36	.....	.....	1	77	8	368	9	588	6	122	128	9023
497	49366	12	1096	10	1002	35	3996	94	5395	120	10424	496	1775	2270	188516

months,—would be useless as there is only one contractor authorized to do such work. However, it would be well not to overlook the facts herein stated when the time cames for a renewal of the contract, and, perhaps it would be better, in order to prevent a repetition of the cause of this complaint, that the two contracts should not be accorded to the same individual.

Notwithstanding the delays in the carrying out of the orders for cleaning privies, it must be observed that an advance has been made in the direction of securing greater cleanliness so far as the privies throughout the city are concerned; as, although many pits have been done away with, a greater number than usual have been cleaned; and, while awaiting the legislation necessary for the prohibition of those pestilential centres which constitute a standing menace to public health, the Board should become more and more severe with regard to the condition in which they should be kept, in order that they may do the least possible damage.

In view of the agitation that is being carried on everywhere respecting the abolition of taxes, I would beg leave to suggest that the tax on water-closets should be done away with and a tax levied upon privies; then, the proprietors who desire to enjoy their agreeable exhalations would, at least, have to pay for the privilege.

According to the statements given for the years 1886 to 1889, we have calculated the mean capacity of the pits to be 80 cubic feet or the equivalent of thirteen and one half barrels of the kind used for the removal of their contents. Allowing that there are 10,000 pits, 75 per cent of which are connected with the public sewers, the cause of the foul orders exhaled from the manholes is at once evident; and this nuisance will only desappear with the last of the privy pits.

The following is a yearly statement of the number of privies cleaned :

	No. of Pits	Contents in cubic feet.
1886	2,325	195,442
1887	2,285	187,040
1888	2,068	156,618
1889	2,270	188,516

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. ANN'S WARD.

Streets.	Diphtheria.	Diphther. Croup	Croup.	Scarlatina.	Typhoid. Fever	Measles.	Varicella.
Ann	1	.....	.....	.....	.....	.....	.....
Aqueduc, to 160	.....	.....	.....	.....	.....	.....	.....
Barré	2	.....	.....	.....	1	3	.....
Basin	.....	.....	.....	.....	.....	.....	.....
Brennan	.....	.....	.....	.....	.....	.....	.....
Britannia	.....	.....	.....	.....	5	.....	.....
Bourgeois	.....	.....	.....	.....	.....	.....	.....
Canal	.....	.....	.....	.....	.....	.....	.....
Canning to 27	2	.....	.....	.....	.....	.....	.....
Centre, to 187	2	.....	.....	3	1	9	.....
Chaboillez, to 14	1	.....	.....	.....	.....	.....	.....
Chaboillez (square) even numbers	.....	.....	.....	2	.....	.....	.....
Chatham, to 27	.....	.....	.....	.....	1	1	.....
Colborne	8	.....	.....	4	3	.....	.....
College	1	.....	.....	.....	.....	3	.....
Common, above 43	.....	.....	.....	.....	.....	.....	.....
Condé	1	.....	.....	.....	1	.....	.....
Congregation	6	.....	.....	.....	2	5	.....
Conway	2	.....	1	.....	14	.....	.....
Dalhousie	1	.....	.....	.....	1	1	.....
Duke	3	.....	.....	2	2	1	.....
Dupré, (lane)	.....	.....	.....	1	.....	.....	.....
Eleanor	.....	.....	.....	.....	1	.....	.....
Farm	1	.....	.....	10	.....	4	.....
Favard	.....	.....	.....	.....	1	1	.....
Forfar	10	.....	.....	5	69	.....	.....
Grand Trunk, to 155	2	.....	.....	.....	.....	.....	.....
Hunter	.....	.....	.....	.....	.....	.....	.....
Inspectors, 2 to 46	.....	.....	.....	.....	.....	.....	.....
King	.....	.....	.....	.....	.....	.....	.....
Manufacturers, (Little)	.....	.....	.....	.....	.....	.....	.....
De l'Ecluse, (lane)	.....	.....	.....	.....	.....	.....	.....
Longueuil, (lane)	.....	.....	.....	.....	.....	.....	.....
Lusignan, 1, 2, 3	.....	.....	.....	.....	.....	.....	.....
Magdalen, 2 to 190, 1 to 209	2	.....	.....	3	.....	3	.....
Manufacturers, to 76	.....	.....	.....	1	.....	2	.....
Maple, (avenue)	.....	.....	.....	.....	.....	.....	.....
McCord	5	.....	.....	2	2	5	.....
McGill, even numbers to 214	.....	.....	.....	.....	.....	.....	.....
Menai	7	.....	.....	.....	13	.....	.....
Mill	.....	.....	.....	.....	.....	.....	.....
Mondelet	.....	.....	.....	.....	.....	.....	.....
Montmorency	.....	.....	.....	.....	1	.....	.....
	57	.....	1	33	118	38	.....

CONTAGIOUS DISEASES, ST. ANN'S WARD.—*Concluded.*

Streets.	Diphtheria	Diphther. Croup	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Brought forward	57	.....	1	33	118	38	.....
Mullin, to 134	.....	.....	.....	.....	.....	.....	.....
Murray	4	.....	.....	3	3	.....	1
Notre Dame, even numbers from 1842	.....	.....	.....	.....	.....	.....	.....
Nazareth	.....	.....	.....	.....	1	1	.....
Olier	.....	.....	.....	.....	.....	.....	.....
Ottawa	3	.....	.....	2	1	.....	.....
Payette	1	...	.....	.....	.....	2	.....
Pichette	.....	.....	.....	.....	.....	.....	.....
Prince	.....	.....	...	.....	1	.....	.....
Queen	.....	...	.....	.....	.....	.....	.....
Richardson, to 163	.....	.....	.....	.....	2	.....	1
Richmond, to 271	6	.....	.....	.....	1	1	.....
River side	2	.....	.....	.....	.....	.....	.....
Sebastopol	.....	.....	.....	2	.....	4	.....
Seigneurs, to 283	.....	.....	.....	.....	.....	.....	.....
Seminary	.....	.....	.....	.....	.....	.....	.....
Shannon	1	.....	.....	1	2	.....	.....
Shearer	5	.....	.....	1	.....	.....	.....
Shearer, (lane)	.....	.....	.....	.....	.....	5	.....
Smith	1	.....	.....	.....	.....	.....	.....
Speirs, (lane)	.....	.....	.....	.....	.....	.....	.....
St-Agnes	.....	.....	.....	.....	.....	.....	.....
St-Augustin	.....	.....	.....	.....	1	.....	.....
St-Colomban	1	.....	.....	1	.....	.....	.....
St-Etienne	3	.....	.....	4	10	.....	.....
St-Francis, 11 to 33	.....	.....	...	.....	.....	1	.....
St-Henry	.....	.....	.....	.....	2	1	.....
St-Henry, (lane)	.....	.....	.....	.....	.....	.....	.....
St-Martin, to 83	.....	.....	1	.....	.....	.....	.....
St-Martin, (lane)	.....	.....	.....	.....	.....	.....	.....
St-Maurice	.....	.....	.....	1	1	.....	.....
St-Patrick, to 226	2	.....	.....	.....	3	1	.....
St-Thomas	.....	.....	.....	.....	.....	.....	.....
Tar, (lane)	.....	.....	.....	.....	.....	.....	.....
Versailles, 1 to 18	.....	.....	.....	.....	.....	.....	.....
Wellington, to 600	4	.....	.....	2	7	.....	.....
William	8	.....	.....	.....	2	6	.....
Young	4	.....	.....	1	3	.....	.....
Total	102	.....	2	51	158	60	2

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. ANTOINE WARD.

Streets.	Diphtheria.	Diphthér. Croup	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Albert	.....	.....	.....	.....	1	3	.....
Albert Avenue	.....	.....	.....	.....	.....	.....	.....
Albert (lane)	1	.....	.....	.....	3	.....	.....
Aqueduc	.....	.....	.....	.....	.....	3	.....
Argyle Avenue	.....	.....	.....	.....	1	.....	.....
Aylmer	.....	.....	.....	2	.....	.....	.....
Bannockburn Avenue	1	.....	.....	.....	.....	.....	.....
Bayle	.....	.....	.....	.....	1	.....	.....
Beaver Hall Hill	2	.....	.....	.....	.....	.....	.....
Beaver Hall, square	.....	.....	.....	.....	.....	.....	.....
Beaver Hall Terrace	.....	.....	.....	.....	.....	.....	.....
Belmont	1	.....	.....	.....	.....	2	.....
Berthelet, from 49	.....	.....	.....	.....	.....	.....	.....
Bishop	.....	.....	.....	.....	.....	.....	.....
Bishop Avenue	.....	.....	.....	.....	.....	.....	.....
Bisson	.....	.....	.....	1	1	.....	.....
Blache (lane)	.....	.....	.....	.....	.....	.....	.....
Bruchesi	.....	.....	.....	.....	.....	.....	.....
Brunswick	.....	.....	.....	.....	1	.....	.....
Buckingham	.....	.....	.....	.....	.....	.....	.....
Burnside	.....	.....	.....	.....	.....	.....	.....
Busby	3	.....	.....	.....	.....	.....	.....
Canning, from 41	.....	.....	.....	1	.....	3	.....
Carleton	.....	.....	.....	.....	.....	.....	.....
Cathcart	2	.....	.....	1	.....	.....	.....
Cathedral	1	.....	.....	.....	.....	.....	.....
Chaboillez, from 19	1	.....	.....	.....	.....	.....	2
Chaboillez, square, even numbers	.....	.....	.....	.....	1	1	.....
Chatham, from 70	5	.....	.....	.....	4	3	.....
Chomedy	.....	.....	.....	.....	.....	.....	.....
City Councillors, even numbers	.....	.....	.....	.....	.....	.....	.....
Closse	.....	.....	.....	.....	.....	.....	.....
Côte des Neiges, road	.....	.....	.....	.....	.....	.....	.....
Coursol	4	.....	.....	3	.....	1	.....
Craig, from 742	.....	.....	.....	.....	1	.....	.....
Crescent	.....	.....	.....	2	.....	.....	.....
Cypress	.....	.....	.....	.....	.....	.....	.....
Delisle	.....	.....	.....	.....	3	1	.....
Desrivières	.....	.....	.....	.....	.....	.....	.....
Desrivières Avenue	1	.....	.....	.....	.....	.....	.....
Dominion, from 52	2	.....	.....	2	.....	5	.....
Dominion, square	.....	.....	.....	.....	.....	2	.....
Donegana	.....	.....	.....	.....	.....	.....	.....
	24	.....	.....	12	17	24	2

CONTAGIOUS DISEASES, ST-ANTOINE WARD.—*Continued.*

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Brought forward	24	.....	.....	12	17	24	2
Dorchester, from 774	8	.....	.....	8	5	11	.....
Drummond	1	.....	.....	1	1	1	.....
Dubrûle Lane	.....	.....	.....	.....	.....	.....	.....
Durocher, even numbers	2	.....	.....	1	.....	.....	.....
Edge Hill Avenue	.....	.....	.....	.....	.....	.....	.....
Elm Avenue	.....	.....	.....	.....	.....	.....	.....
Essex Avenue	.....	.....	.....	.....	.....	.....	.....
Evans Avenue	.....	.....	.....	.....	.....	.....	.....
Forgue Avenue	.....	.....	.....	1	.....	.....	.....
Fort	2	.....	.....	1	.....	.....	.....
Fournier	.....	.....	.....	.....	.....	.....	.....
Fulford	4	.....	.....	.....	2	4	.....
Groulx, Lane	.....	.....	.....	.....	.....	.....	.....
Guy, from 151	2	.....	.....	.....	2	16	2
Guy Avenue	.....	.....	1	.....	.....	1	.....
Hanover	.....	....	1	.....	.....	.....	.....
Hutchison	.....	.....	.....	.....	.....	.....	.....
Inspectors, from 46	1	.....	.....	.....	.....	2	.....
Jubilee, Lane	.....	.....	.....	.....	.....	.....	.....
Lagauchetière, from 730	2	.....	.....	1	1	1	.....
Larin Avenue	.....	.....	.....	.....	.....	.....	.....
Latour	1	.....	.....	5	.....	.....	.....
Leclerc, Lane	1	.....	.....	.....	.....	.....	.....
Leroux Avenue	.....	.....	.....	.....	.....	6	.....
Lincoln Avenue	.....	.....	.....	.....	.....	.....	.....
Larose Avenue	.....	.....	.....	1	.....	.....	.....
Lorne Crescent	.....	.....	.....	.....	.....	.....	.....
Lusignan, from 5	2	.....	.....	.....	.....	.....	.....
MacGregor	.....	.....	.....	.....	.....	.....	.....
MacKay	2	.....	.....	1	2	4	.....
Mansfield	1	.....	.....	.....	1	5	.....
Maple Avenue	.....	.....	.....	.....	.....	.....	.....
McGill College Avenue	2	.....	.....	.....	2	.....	.....
McGill, from 226 to 240	.....	.....	.....	.....	.....	.....	.....
McTavish	.....	.....	.....	2	.....	.....	.....
Metcalfe	1	.....	.....	.....	.....	3	.....
Metcalfe Lane	.....	.....	.....	.....	.....	1	.....
Milton	.....	.....	.....	.....	.....	.....	.....
Monette Lane	.....	.....	.....	.....	....	4	.....
Mayor, from 60 to 70	.....	.....	.....	.....	.....	.....	.....
Morland	.....	.....	.....	.....	.....	1	.....
Mountain	2	.....	.....	6	5	28	.....
Mount St. Mary Avenue	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from 1849, odd and even Nos.	5	.....	1	1	1	7	.....
	63	.....	3	41	39	119	

CONTAGIOUS DISEASES ST-ANTOINE WARD.—*Continued.*

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Brought forward	63		3	41	39	119	4
O'Leary Avenue							
Olivier							
Ontario Avenue				3		1	
Osborne	1			1		3	
Overdale Avenue					1		
Oxenden				1			
Paxton Avenue							
Pea, Lane							
Peel	2					3	
Philip Place							
Philip, Square							
Pine, Avenue							
Plymouth Grove	1				1	1	
Poële Lane	1						
Prince Arthur				3		7	
Quesnel	1					1	
Railway Track							
Redpath							
Richmond, from 271	1					3	
Richmond Avenue							
Richmond, Square	2					1	
Rolland					1	1	
Roy, Lane							
School House							
Seigneurs, from 292	7			2	3		
Sherbrooke, from 734	2			1	4	4	1
Shuter	2			4	1		
Simpson				1			
St-Alexander, even numbers	2				1		
St-Antoine	6		2	3	3	2	
St-Antoine, Little					1		
St-Catherine, from 2146	4		1	6	1	2	
St-David, Place							
St-David, Lane					2		
St-Felix	7			1	1		
St-Geneviève	2			1			
St-Jacques, from 284	3				1	5	
St-Leon Lane							
St-Luke	1				1	1	
St-Marguerite							
St-Mark				1		2	
St-Martin, from 85	2				2	4	
St-Mathew	5	1			2		
St-Michael Lane							
	115	1	7	69	65	160	

CONTAGIOUS DISEASES, ST-ANTOINE WARD.—*Concluded.*

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Brought forward	115	1	7	69	65	160	5
St-Monique	3	.....	.....	.....	.....	1	.....
St Sophia	.....	.....	.....	.....	.....	.....	.....
Stanley	5	.....	.....	3	.....	1	.....
Sussex	.....	.....	.....	.....	.....	.....	.....
Thistle Terrace	.....	.....	.....	.....	.....	.....	.....
Torrance	.....	.....	.....	.....	1	.....	.....
Tower Avenue	.....	.....	.....	.....	.....	1	.....
Trudel, Lane	.....	.....	.....	.....	.....	.....	.....
Tupper	.....	.....	.....	.....	.....	1	.....
Union Avenue	1	.....	.....	4	.....	3	.....
University	2	.....	.....	.....	3	.....	1
Versailles, from 22	1	.....	.....	.....	.....	1	.....
Victoria	.....	.....	.....	1	1	.....	.....
Victoria, Sq. even Nos 86, odd from 25 to 49	1	.....	.....	.....	.....	.....	.....
Windsor	.....	..	1	.....	.....	.....	.....
Workman	3	..	1	.....	.....	.....	.....
Wood Avenue	.....	..	.....	.....	.....	.....	.....
Total	131		9	77	70	168	6

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. LAWRENCE WARD.

Streets.	Diphtheria	Diphther. Croup	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Anderson	.....	.....	.....	3	.....	.....	.....
Arcade	.....	.....	.....	.....	.....	.....	.....
Bagg	.....	.....	.....	.....	.....	1	.....
Balmoral	.....	.....	.....	3	.....	.....	.....
Beauchamp Avenue	.....	.....	.....	.....	.....	.....	.....
Berthelet, to 29	2	.....	.....	.....	1	.....	.....
Bleury	3	.....	.....	2	2	5	.....
Bronsdon	.....	.....	.....	.....	.....	.....	.....
Chenneville	1	.....	.....	.....	1	4	.....
City Councillors, odd numbers	.....	.....	.....	.....	.....	.....	.....
Clarke	.....	.....	.....	.....	.....	.....	.....
Concord	.....	.....	.....	.....	.....	.....	.....
Coté	.....	.....	.....	.....	1	.....	.....
Craig, odd numbers from 511 to 713	.....	.....	.....	1	2	.....	.....
Devienne	1	.....	.....	.....	.....	.....	.....
Dorchester, from 566 to 758	3	.....	.....	.....	.....	.....	.....
Dowd	.....	.....	.....	.....	.....	1	.....
Durocher, odd numbers	.....	.....	.....	2	.....	1	.....
Evans	.....	.....	.....	.....	.....	.....	.....
Guilbault	.....	.....	.....	.....	1	.....	.....
Hermine	.....	.....	.....	.....	.....	.....	.....
Josephine, Lane	.....	.....	.....	.....	.....	.....	.....
Jurors	5	.....	.....	1	1	.....	.....
Lagauchetière, from 541 to 753	9	.....	.....	1	2	.....	.....
Mance	.....	.....	.....	.....	4	.....	.....
Mayor, from 2 to 57	.....	.....	.....	.....	.....	.....	.....
Mignonne, from 1368	.....	.....	.....	.....	.....	.....	.....
Milton	.....	.....	.....	.....	.....	.....	.....
Mitcheson	.....	.....	.....	.....	.....	.....	.....
Moulton, Avenue	.....	.....	.....	.....	.....	.....	.....
Ontario, from 1682	1	.....	1	.....	.....	2	.....
Park, Avenue	.....	.....	.....	3	.....	.....	.....
Pine, Avenue	.....	.....	.....	.....	.....	.....	.....
Plateau	.....	.....	.....	.....	.....	1	.....
Plateau, Avenue	.....	.....	.....	.....	.....	.....	.....
Platt	.....	.....	.....	.....	6	.....	.....
Sherbrooke, from 537 to 733	.....	.....	.....	.....	.....	.....	.....
St-Alexander, odd numbers	.....	.....	.....	1	2	1	.....
St-Bernard	1	.....	.....	.....	.....	.....	.....
St-Catherine, from 1919 to 2143	1	.....	.....	1	3	2	.....
St-Charles-Borromee	2	.....	.....	1	4	2	.....
St-Edward	1	.....	.....	.....	.....	.....	.....
	30	.....	1	19	30	20	.....

CONTAGIOUS DISEASES, ST. LAWRENCE WARD.—*Concluded.*

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Brought forward	30	.....	1	19	30	20	.....
St-Famille	1	.....	.....	1	.....	.....	.....
St-George	7	1	.....	2	2	.....	.....
St-Laurent, even numbers to 712	5	.....	1	.....	2	6	.....
St-Philip	4	.....	.....	2	1	.....	.....
St-Urbain	5	1	.....	1	2	4	.....
Theatre, Lane	.....	.....	.....	.....	.....	.....	.....
Vallée	4	.....	.....	.....	.....	.....	.....
Verchères Avenue	1	1	.....	.....	1	.....	.....
Vitré, from 105 to 189	.....	.....	.....	1	.....	.....	.....
White, Lane	.....	.....	.....	.....	.....	.....	.....
Winning	.....	.....	.....	.....	.....	.....	.....
Total	57	3	2	26	38	30	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. LOUIS WARD.

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Albina	1	.....	.....	.....	.....	1	.....
Bérard	.....	.....	.....	.....	.....	.....	.....
Boyer	.....	.....	.....	.....	.....	...	.....
Brunet	.....	.....	.....	.....	1	.....	.....
Cadieux, from 2 to 255	.....	.....	1	.....	3	8	.....
Charbonneau	.....	....	.....	.....	.....	.....	.....
Charlotte	1	.....	.....	.....	.....	.....	.....
Courville	.....	.....	..	.....	.....	.....	.....
Craig, odd numbers from 363 to 507	.....	.....	.....	.....	2	1	.....
Dorchester, from 429 to 551	3	.....	.....	4	4	1	.....
Drolet, to 183	4	.....	.....	3	5	.....	.....
Dubord, from 101	.....	.....	.....	.....	.....	.....	.....
Dufaux	.....	.....	.....	.....	.....	.....	.....
Desmarais	.....	.....	.....	.....	.....	.....	.....
Elizabeth Terrace	.....	....	.....	.....	.....	.....	.....
Ernest	.....	.....	.....	.....	.....	3	.....
Fortier	2	.....	.....	....	1	.....	.....
Grothé	.....	.....	.....	.....	.....	.....	.....
German	6	.....	.....	1	1	7	.....
Laberge	.....	.....	.....	.....	.....	.....	.....
Lagauchetière, from 387 to 538	2	.....	.....	.....	.....	.....	.....
Lagauchetière, Lane	.....	.....	.....	.....	.....	.....	.....
Laval, Avenue to 272	1	.....	.....	1	.....	.....	.....
Leduc, Lane	.....	.....	.....	.....	.....	.....	.....
Léon XIII	.....	.....	.....	.....	.....	.....	.....
Marie Louise	1	.....	.....	.....	.....	.....	.....
Market, square	.....	.....	1	.....	.....	.....	.....
Mignonne, from 1208 to 1362	.....	.....	.....	.....	.....	4	.....
Mount Charles Avenue	1	.....	.....	.....	1	.....	.....
Napoléon	.....	.....	.....	.....	.....	.....	.....
Ontario, from 1505 to 1676	.....	.....	.....	.....	1	1	.....
Pantaléon, from 1 to 22	.....	.....	.....	.....	.....	.....	.....
Picard, Lane	1	.....	.....	.....	.....	.....	.....
Pine Avenue	.....	.....	.....	.....	.....	.....	.....
Roy	.....	.....	.....	.....	1	1	.....
Sanguinet	1	.....	1	4	4	2	.....
Sherbrooke, from 383 to 536	.....	.....	.....	5	.....	.....	.....
St-Catherine, from 1703 to 1915	.....	.....	.....	.....	.....	2	.....
St-Constant	3	.....	.....	.....	2	.....	.....
St-Denis, from 2 to 522	1	1	.....	2	.....	.....	.....
St-Agatha	.....	.....	1	.....	.....	.....	.....
St-Dominique, to 720	7	1	1	2	2	10	.....
St-Elizabeth	1	.....	.....	.....	.....	2	.....
	36	2	5	22	28	43	.....

CONTAGIOUS DISEASES, ST-LOUIS WARD.—*Concluded.*

STREETS.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Brought forward	36	2	5	22	28	43	.....
St-Emery	.....	.....	.....	.....	.....	.....	.....
St-Hypolite, to 317	1	.....	1	3	5	4	3
St-Hypolite, Lane	.....	.....	.....	.....	2	.....	.....
St-Julie	.....	.....	.....	.....	.....	.....	.....
St-Justin	.....	.....	.....	.....	.....	.....	.....
St-Lawrence	4	.....	.....	1	2	.....	.....
St-Louis, from 90 to 127	1	.....	.....	.....	.....	.....	.....
Vitré, from 1 to 102	1	.....	.....	.....	.....	.....	.....
Total	43	2	6	26	37	47	3

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST JAMES WARD.

STREETS.	Diphtheria.	Diphther. Croup	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Amherst	5	.....	2	.....	3	13	.....
Brien, Avenue	.....	.....	.....	.....	.....	.....	.....
Barclay, even numbers	.....	.....	.....	.....	.....	.....	.....
Beaudry	6	.....	2	.....	.....	7	.....
Beaudry, Lane	.....	.....	.....	.....	.....	.....	.....
Berri	.....	.....	2	.....	.....	1	3
Berri, Lane	.....	.....	.....	.....	.....	.....	.....
Bonaparte	.....	.....	.....	.....	.....	.....	.....
Brock	.....	.....	.....	.....	.....	.....	.....
Campeau	.....	.....	.....	.....	.....	.....	.....
Cherrier	.....	.....	.....	.....	.....	.....	.....
Contant	.....	.....	.....	.....	.....	.....	.....
Craig, from 184 to 352	1	.....	.....	.....	1	.....	.....
Dorchester, from 232 to 409	.....	.....	1	.....	1	.....	.....
Dubord from 1 to 75	.....	.....	.....	.....	1	.....	.....
Grant	.....	.....	.....	.....	.....	.....	.....
Houle	.....	.....	.....	.....	.....	.....	.....
Jacques-Cartier.	2	.....	1	.....	4	3	.....
Labelle	.....	.....	.....	.....	.....	.....	.....
Lacroix, odd numbers	.....	.....	.....	.....	.....	.....	.....
Lagauchetière, from 163 to 376	1	.....	.....	.....	.....	.....	.....
Louis Hypolite.	.....	.....	.....	.....	.....	.....	.....
Maple, to 315	5	.....	.....	.....	.....	2	.....
Marie Joseph	1	.....	.....	.....	.....	.....	.....
Mignonne, from 1005 to 1205	.....	.....	.....	.....	.....	.....	.....
Montana, to 202	1	.....	.....	.....	1	2	.....
Montcalm	3	.....	2	1	2	5	.....
Notre-Dame, from 1191 to 1389	2	.....	1	.....	.....	.....	.....
Ontario, from 1181 to 1500	1	.....	.....	.....	1	.....	.....
Rapallo.	2	.....	.....	.....	.....	.....	.....
Rivard, from 1 to 45	.....	.....	.....	.....	1	.....	.....
Robin	2	.....	.....	.....	.....	.....	.....
Rousseau	.....	.....	.....	1	1	.....	.....
Perthius	.....	.....	.....	.....	.....	.....	.....
St-André	.....	.....	.....	.....	3	1	.....
St-André, Lane	.....	.....	.....	.....	.....	.....	.....
St-Catherine, from 1406 to 1919	2	1	.....	.....	.....	3	.....
St-Christophe	.....	.....	.....	.....	.....	.....	.....
St-Denis, odd numbers	.....	.....	.....	2	.....	.....	.....
St-Hubert	4	.....	2	.....	4	.....	.....
	38	1	13	4	23	37	3

CONTAGIOUS DISEASES, ST. JAMES WARD.—*Concluded.*

STREETS.	Diphtheria	Diphther. Croup	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Brought forward	38	1	13	4	23	37	3
St-Louis, from 1 to 71	.....	.....	.....	.....	.....	.....	.....
Sherbrooke, from 190 to 381	.....	.....	.....	.....	.....	.....	.....
Visitation, even numbers	4	.....	2	1	.....	.....	.....
Water, from 83	.....	.....	.....	.....	.....	.....	.....
Wolfe	5	.....	5	.....	3	5	.....
Total	47	1	20	5	26	42	3

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. MARY'S WARD.

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina	Typhoid Fever.	Measles.	Varicella.
Albert, (lane)	.....	.....	.....	.....	.....	.....	.....
Allard	.....	.....	.....	.....	.....	.....	.....
Archambault	.....	.....	.....	.....	.....	.....	.....
Amity	.....	.....	.....	.....	.....	.....	.....
Bannerman Avenue	.....	.....	.....	.....	1	.....	.....
Bishop, (lane)	.....	.....	.....	.....	.....	.....	.....
Burnett Avenue	.....	.....	.....	2	.....	.....	.....
Brant	.....	.....	.....	.....	.....	.....	.....
Brien, Avenue	.....	.....	.....	.....	.....	.....	.....
Chambly, Avenue	1	.....	.....	.....	.....	.....	.....
Chaussé	.....	.....	.....	.....	.....	.....	.....
Champlain	9	.....	5	.....	.....	4	.....
Craig, 1 to 177	4	.....	1	.....	1	.....	.....
Dansereau, (lane)	2	.....	.....	.....	.....	.....	.....
Delorimier	.....	.....	.....	.....	.....	.....	.....
De Salaberry	4	.....	.....	.....	.....	3	.....
Dorchester, 1 to 226	4	.....	.....	2	.....	3	.....
Dufresne	4	.....	3	.....	2	2	.....
Erié	.....	.....	.....	.....	.....	.....	.....
Frontenac, to 135	.....	.....	.....	.....	.....	.....	.....
Frontenac, (lane)	.....	.....	.....	.....	.....	.....	.....
Fullum	.....	.....	.....	1	1	.....	.....
Fullum, (lane)	.....	.....	.....	.....	.....	.....	.....
Gain	3	.....	1	1	1	2	.....
Grant, (lane)	.....	.....	.....	.....	.....	.....	.....
Harmony	.....	.....	.....	.....	.....	.....	.....
Iberville, to 141	2	.....	.....	1	.....	.....	.....
Joachim, (lane)	.....	.....	.....	.....	.....	.....	.....
Josaphat, (lane)	2	.....	.....	.....	.....	.....	.....
Kent	1	.....	.....	.....	1	.....	.....
Lafontaine, from 34	2	.....	2	.....	.....	3	.....
Lagauchetière, from 1 to 157	2	.....	.....	.....	1	4	.....
Larivière	.....	.....	.....	.....	.....	.....	.....
Logan, from 33	2	.....	1	.....	.....	.....	.....
Longueuil, crossing	.....	.....	.....	.....	.....	.....	.....
Maisonneuve	12	3	5	.....	2	.....	.....
Marianna	.....	.....	.....	.....	.....	.....	.....
Mathieu, (lane)	1	.....	3	.....	1	1	.....
Mignonne, from 2 to 1004	5	.....	3	.....	.....	9	.....
Molson, Terrace	2	.....	.....	.....	.....	.....	.....
Monarque	.....	.....	.....	.....	.....	.....	.....
Morin	.....	.....	.....	.....	.....	.....	.....
Munro, (lane)	1	.....	.....	.....	.....	.....	.....
	63	3	24	7	11	31	.....

CONTAGIOUS DISEASES, ST. MARY'S WARD.—*Concluded.*

Streets.	Diphtheria	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Brought forward	63	3	24	7	11	31	.....
Nonancourt	.....	1	.....	.....	.....	.....	.....
Notre-Dame, from 597 to 1181	6	.....	.....	.....	1	1	.....
Ontario from 660 to 1178	1	.....	2	.....	.....	.....	.....
Panet	4	1	1	1	.....	11	.....
Panet, Avenue	1	.....	.....	.....	.....	.....	.....
Papineau, Road	2	.....	.....	.....	.....	3	.....
Papineau, Square	1	.....	.....	1	.....	.....	.....
Parker	.....	.....	1	.....	.....	1	.....
Parthenais	1	.....	1	.....	.....	.....	.....
Plessis	4	.....	1	.....	2	6	.....
Poupart	2	.....	.....	.....	.....	.....	.....
Provençal, Lane	.....	.....	.....	.....	.....	.....	.....
Rivet	.....	.....	.....	.....	.....	.....	.....
Robb, Terrace	.....	.....	.....	.....	.....	.....	.....
Shaw	9	.....	1	.....	.....	.....	.....
Sherbrooke to 190	.....	.....	.....	.....	.....	2	.....
St-Adolphe	1	.....	1	.....	.....	.....	.....
St-Alexis, Lane	.....	.....	.....	.....	.....	.....	.....
St-Alphonse	.....	.....	.....	.....	.....	.....	.....
St-Catherine from 629 to 1406	.....	.....	2	.....	1	8	.....
St-Elizabeth, Lane	.....	.....	1	.....	.....	.....	.....
St-Ignace	.....	.....	.....	.....	.....	1	.....
St-Pierre, off Mignonne	.....	.....	.....	.....	.....	.....	.....
St-Pierre off Parker	.....	.....	.....	.....	.....	.....	.....
St-Roch	.....	.....	.....	.....	.....	.....	.....
St-Rose	.....	.....	.....	1	.....	.....	.....
St-Germain, Lane	.....	.....	.....	.....	.....	.....	.....
Suzanne	.....	.....	.....	.....	.....	.....	.....
Sydenham	.....	.....	.....	.....	.....	.....	.....
Visitation, odd numbers	3	.....	2	3	.....	3	.....
Voltigeurs	.....	.....	.....	.....	.....	.....	.....
Tansey	.....	.....	.....	.....	.....	.....	.....
Water	.....	.....	.....	.....	.....	.....	.....
Widows Lane	.....	.....	.....	.....	.....	.....	.....
Total	98	5	37	13	15	67	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

WEST WARD.

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Callières	.....	.....	.....	.....	.....	.....	.....
Commissioners, from 261 to 347	.....	.....	.....	.....	.....	.....	.....
Common, from 1 to 31	.....	.....	.....	.....	1	.....	.....
Craig, from 600 to 736	.....	.....	.....	.....	.....	.....	.....
Dollard	.....	.....	.....	.....	.....	.....	.....
Fortification	.....	.....	.....	.....	.....	.....	.....
Foundling from 54 to 104	.....	.....	.....	.....	.....	.....	.....
Hopital	.....	.....	.....	.....	.....	.....	.....
Lemoine	.....	.....	.....	.....	.....	.....	.....
McGill, from 1 to 233	.....	.....	.....	.....	.....	.....	.....
Normand	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from 1722 to 1843	.....	.....	.....	.....	.....	1	.....
Port	.....	.....	.....	.....	.....	.....	.....
Récollet	.....	.....	.....	.....	.....	.....	.....
St-Alexis	.....	.....	.....	.....	.....	.....	.....
St-Eloi	.....	.....	.....	.....	.....	.....	.....
St-François-Xavier, even numbers	.....	.....	.....	.....	.....	.....	.....
St-Helen	.....	.....	.....	.....	.....	.....	.....
St-James, from 132 to 266	.....	.....	.....	.....	1	.....	.....
St-John	.....	.....	.....	.....	.....	.....	.....
St-Nicholas	.....	.....	.....	.....	.....	.....	.....
St-Paul, from 438 to 540	.....	.....	.....	.....	.....	.....	.....
St-Peter	.....	.....	.....	.....	.....	.....	.....
St-Sacrement	.....	.....	.....	.....	.....	.....	.....
Victoria, Square, from 2 to 24	.....	.....	.....	.....	.....	.....	.....
Youville	.....	.....	.....	.....	.....	.....	.....
Total	.....	.....	.....	.....	2	1	.....

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

CENTRE WARD.

Streets.	Diphtheria.	Diphtheri. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Capital	.....	.....	....	.....	.....	.....	.....
Commissioners, from 127 to 255	.....	1	....	.....	.....	.....	.....
Craig, even numbers from 494 to 600	.....	.....	.....	.....	.....	.....	.....
Custom House (Square)	.....	.....	.....	.....	.....	.....	.....
De Bresolles	.....	.....	.....	.....	.....	.....	.....
Fortification lane, from 1 to 105	.....	.....	.....	.....	.....	.....	.....
Le Royer, from 130 to 149	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from 1611 to 1720	.....	.....	.....	.....	.....	.....	.....
Place d'Armes	.....	.....	.....	.....	.....	.....	.....
Place d'Armes, Hill	.....	.....	.....	4	.....	.....	.....
St-Dizier	.....	.....	.....	.....	.....	.....	.....
St-François-Xavier, odd numbers	.....	.....	.....	.....	.....	.....	.....
St-Gabriel, even numbers	.....	.....	.....	1	.....	.....	.....
St-James, from 46 to 128	.....	.....	.....	.....	.....	.....	.....
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....
St-Lambert	.....	.....	.....	.....	.....	.....	.....
St-Paul, from 286 to 435	.....	.....	.....	.....	.....	.....	.....
St-Sulpice	.....	.....	.....	.....	.....	.....	.....
Total	.....	1	.....	5	.....	.....	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

EAST WARD.

Streets.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Barrack	.....	.....	.....	.....	.....	.....	.....
Bonsecours	.....	.....	.....	1	.....	.....	.....
Champ de Mars	.....	.....	.....	2	2	.....	.....
Commissioners, from 1 to 125	.....	.....	.....	.....	.....	.....	.....
Craig	.....	.....	.....	.....	.....	.....	.....
Dalhousie, Square	.....	.....	.....	.....	.....	.....	.....
Friponne	.....	.....	.....	.....	.....	.....	.....
Gosford	1	.....	.....	.....	.....	.....	.....
Jacques-Cartier, Square	.....	.....	.....	.....	.....	.....	.....
Le Royer, from 2 to 13	.....	.....	.....	.....	1	.....	.....
Lacroix, even numbers	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from 1410 to 1610	3	.....	.....	.....	5	.....	.....
St-Amable	.....	.....	.....	.....	.....	.....	.....
St-Claude	.....	.....	.....	.....	.....	.....	.....
St-Francis	.....	.....	.....	.....	1	.....	.....
St-Gabriel, odd numbers	.....	.....	.....	.....	.....	.....	.....
St-James, to 46	.....	.....	.....	.....	1	.....	.....
St-Louis, even numbers	.....	.....	.....	.....	2	2	.....
St-Paul, from 32 to 282	.....	.....	.....	.....	3	1	.....
St-Vincent	.....	.....	1	.....	.....	.....	.....
St-Thérèse	.....	.....	.....	.....	.....	.....	.....
Vaudreuil	.....	.....	.....	.....	.....	.....	.....
Victor	.....	.....	.....	.....	.....	.....	.....
Total	4	.....	1	3	15	3	.....

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

HOCHELAGA WARD.

Streets.	Diphtheria	Diphther. Croup.	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.
Desery	.....	2	2	.....	2	6	.....
Frontenac, from 127 and odd numbers	.....	.....	2	.....	.....	1	.....
Gale	.....	.....	.....	.....	.....	.....	.....
Harbor	.....	.....	.....	.....	.....	.....	.....
Hudon	1	.....	.....	.....	.....	.....	.....
Iberville, odd numbers to 141	.....	.....	.....	.....	2	.....	.....
Lafontaine	.....	.....	.....	.....	.....	.....	.....
Logan	1	.....	.....	.....	.....	.....	.....
Marlborough	.....	.....	.....	.....	1	.....	.....
Mignonne, from 1 to 427	.....	1	1	.....	.....	.....	.....
Moreau	1	.....	.....	.....	1	1	.....
Notre-Dame, from 1 to 579	.....	1	1	.....	4	.....	.....
Ontario, from 1 to 659	.....	.....	.....	.....	.....	.....	.....
Préfontaine	.....	.....	1	.....	.....	.....	.....
Provost	.....	.....	1	.....	.....	.....	.....
Robillard	.....	.....	.....	.....	.....	.....	.....
Seaver	.....	.....	.....	.....	1	.....	.....
Sherbrooke	.....	.....	.....	.....	.....	.....	.....
St-Catherine, 1 to 629	3	.....	1	.....	.....	.....	.....
St-Germain	8	1	2	.....	2	.....	.....
St-Michel	.....	.....	.....	.....	.....	.....	.....
Total	14	5	11	.....	13	8	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-JEAN-BAPTISTE WARD.

Streets.	Diphtheria	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.
Amherst	.....	.....	.....	.....	.....	.....	.....
Berri	.....	.....	.....	.....	.....	.....	.....
Cadieux, even Nos. fr. 254 odd Nos. fr. 259	7	.....	.....	.....	.....	1	.....
Cérat	.....	.....	.....	.....	.....	.....	.....
Champlain	8	.....	.....	.....	.....	.....	.....
Clarke	.....	.....	.....	.....	.....	.....	.....
Drolet, from 183	1	.....	.....	.....	1	.....	.....
Dufferin	.....	.....	.....	.....	.....	.....	.....
Durham	.....	.....	.....	.....	1	.....	.....
Jean	.....	.....	.....	.....	.....	.....	.....
Laval Av. even Nos. fr. 274 odd Nos fr. 233	1	1	.....	.....	.....	.....	.....
Lionais	.....	.....	.....	.....	.....	.....	.....
Logan, Farm	.....	.....	.....	.....	.....	.....	.....
Maple from 376	7	1	3	1	1	.....	.....
Marie-Anne	1	.....	.....	.....	.....	.....	.....
Market	.....	.....	.....	.....	.....	.....	.....
Montana, from 202	2	.....	1	.....	.....	.....	.....
Mont-Royal, even numbers	1	.....	.....	.....	2	.....	.....
Pantaléon, from 21	.....	.....	.....	.....	1	1	.....
Papineau	.....	.....	.....	.....	.....	.....	.....
Rachel	1	.....	1	.....	.....	.....	.....
Rivard, from 45	3	1	1	.....	1	5	.....
Sanguinet, from 645	1	.....	.....	.....	1	3	.....
Seaton	.....	4	.....	.....	1	.....	.....
St-Denis, from 522	.....	.....	.....	1	.....	.....	.....
St-Dominique, from 722	4	.....	.....	.....	1	.....	.....
St-Hypolite, from 317	4	.....	.....	.....	2	2	.....
St-Jean-Baptiste	2	.....	.....	.....	.....	.....	.....
St-Laurent, from 915 to 1269	.....	.....	1	.....	.....	.....	.....
Total	43	7	7	2	12	12	.....

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. GABRIEL WARD.

Streets.	Diphtheria.	Diphther. Croup.	Croup	Scarlatina.	Typhoid Fever.	Measles.	Varicella
Atwater	.....	.....	.....	.....	.....	.....	.....
Bourgeois	2	1	.....	2	2	5	.....
Centre, from 188	.....	.....	1	.....	.....	7	.....
Charron	.....	.....	.....	2	1	4	.....
Coleraine	1	.....	.....	.....	.....	.....	.....
Edinburgh	.....	.....	.....	.....	.....	1	.....
Fortune	.....	.....	.....	.....	.....	.....	.....
Grand Trunk, from 155	1	.....	.....	.....	.....	1	.....
Hibernia	2	.....	.....	5	.....	9	.....
Island	.....	.....	.....	.....	.....	1	.....
Knox	1	.....	.....	.....	.....	1	.....
Liverpool	1	.....	1	1	1	.....	.....
Luke	.....	.....	.....	5	.....	.....	.....
Magdalen, from 190 to 209	3	.....	.....	2	1	.....	.....
Manufacturers, from 77	4	.....	.....	.....	2	.....	.....
Mullin, from 135	.....	.....	.....	.....	.....	.....	.....
Napoleon	2	.....	.....	.....	.....	2	.....
Paris	9	.....	1	1	1	3	.....
Richardson, from 164	.....	.....	.....	.....	.....	.....	.....
Rosaire	.....	.....	.....	1	.....	.....	.....
Razel	.....	.....	.....	.....	2	.....	.....
Ropery	.....	.....	.....	.....	.....	6	.....
Rushbrooke	1	.....	1	.....	.....	1	.....
Ryde	.....	.....	.....	.....	.....	.....	.....
St-Albert	1	.....	.....	.....	.....	.....	.....
St-Andrew	.....	.....	.....	.....	2	.....	.....
St-Charles	2	.....	.....	.....	.....	1	.....
St-Francis, from 35	.....	.....	.....	.....	.....	.....	.....
St-Henry	.....	.....	.....	.....	1	.....	.....
St-Patrick, from 226	7	.....	.....	2	.....	3	.....
Wellington, from 601	1	.....	.....	6	.....	.....	.....
Total	38	1	4	27	13	45	.....

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

French-Canadians.	Diphtheria	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St-Antoine	20	.....	6	7	12	43	.....	88
St-Ann's	12	.....	1	3	14	13	1	44
St-Lawrence	5	1	1	.....	6	8	.....	21
St-Louis	12	2	3	8	10	29	.....	64
St-James	32	1	20	.....	17	38	.....	108
St-Mary	52	5	33	4	5	53	.....	152
St-Gabriel	6	.....	2	5	2	22	.....	37
St-Jean-Baptiste	28	7	7	2	5	12	.....	61
Hochelaga	12	4	10	.....	6	10	.....	42
East	3	.....	1	2	7	2	.....	15
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	182	20	84	31	84	230	1	632

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

English.	Diphtheria.	Diphther. Croup	Croup.	Scarlatina.	Typhoïd Fever.	Measles.	Varicella.	Total
St-Antoine	44	.....	1	49	32	79	4	209
St-Ann's	27	.....	1	23	58	20	1	130
St-Lawrence	16	1	.....	7	10	2	.....	36
St-Louis	6	.....	.....	11	8	14	3	42
St-James	4	.....	1	1	2	2	3	13
St-Mary	15	.....	.....	2	6	5	.....	28
St-Gabriel	13	1	.....	19	6	15	.....	54
St-Jean-Baptiste	5	.....	.....	1	3	2	.....	11
Hochelaga	.....	.....	.....	1	5	.....	.....	6
East	.....	.....	.....	.....	8	.....	.....	8
Centre	.....	.....	.....	4	.....	.....	.....	4
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	130	2	3	118	138	139	11	541

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

Irish.	Diphtheria	Diphther. Croup	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St-Antoine	43	1	1	9	17	20	.....	91
St-Ann's	54	.....	1	15	58	13	.....	141
St-Lawrence	21	1	.....	5	8	14	.....	49
St-Louis	7	.....	2	2	7	3	.....	21
St-James	2	.....	.....	1	1	1	.....	5
St-Mary	26	.....	2	6	3	5	.....	42
St-Gabriel	12	.....	.....	.....	2	6	.....	20
St-Jean-Baptiste	.....	.....	.....	.....	1	.....	.....	1
Hochelaga	.....	1	.....	.....	.....	.....	.....	1
East	.....	.....	.....	.....	2	.....	.....	2
Centre	.....	1	.....	.....	.....	.....	.....	1
West	.....	.....	.....	.....	1	.....	.....	1
Total	165	4	6	38	100	62	.....	375

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

Scotch	Diphthéria.	Diphther. Croup	Croup	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.	Total.
St-Antoine	17	.....	.....	17	8	21	.....	63
St-Ann's	13	.....	1	5	30	11	.....	60
St-Lawrence	11	.....	.....	12	3	4	.....	30
St-Louis	5	.....	.....	2	6	4	.....	17
St-James	2	.....	.....	.....	2	1	.....	5
St-Mary	7	.....	1	.....	2	.....	.....	10
St-Gabriel	2	.....	1	5	4	5	.....	17
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	1	.....	1
Total	57	.....	3	41	55	47	.....	203

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

BELGIAN.	Diphtheria	Diphther Croup	Croup.	Scarlatina	Typhoid. Fever.	Measles.	Varicella	Total.
St-Antoine	.....	.....	.....	.....	.....	.....	.....	.....
St-Ann's	.....	.....	.....	.....	.....	1	.....	1
St-Lawrence	.....	.....	.....	.....	.....	.....	.....	.....
St-Louis	.....	.....	.....	.....	.....	.....	.....	.....
St-James	.....	.....	.....	.....	.....	.....	.....	.....
St-Mary	.....	.....	.....	.....	.....	.....	.....	.....
St-Gabriel	2	.....	.....	.....	.....	.....	.....	2
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	...	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	2	.....	.....	.....	.....	.....	.....	3

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

FRENCH.	Diphtheria.	Diphther. Croup	Croup	Scarlatina	Typhoid Fever.	Measles.	Varicella.	Total.
St-Antoine	1	.....	.....	1	.....	.....	.....	2
St-Ann's	.....	.....	.....	.....	.....	.....	.....	.....
St-Lawrence	.....	.....	.....	.....	1	.....	.....	1
St-Louis	.....	.....	.....	.....	1	.....	.....	1
St-James	1	.....	.....	.....	1	.....	.....	2
St-Mary	.....	.....	.....	.....	.....	.....	.....	.....
St-Gabriel	.....	.....	.....	.....	.....	.....	.....	.....
St-Jean-Baptiste	2	.....	.....	.....	1	.....	.....	3
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	1	.....	.....	.....	1
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	4	.....	.....	2	4	.....	.....	10

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

ITALIANS	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St-Antoine	1	.....	.....	.....	.....	1	.....	2
St-Ann's	.....	.....	.....	.....	.....	.....	.....	.....
St-Lawrence	1	.....	.....	.....	1	1	.....	3
St-Louis	2	.....	1	.....	.....	.....	.....	3
St-James	2	.....	.....	.....	.....	.....	.....	2
St-Mary	.....	.....	.....	.....	.....	.....	.....	.....
St-Gabriel	.....	.....	.....	.....	.....	.....	.....	.....
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	6	.....	1	.....	1	2	.....	10

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

JEWS	Diphtheria	Diphther. Croup.	Croup.	Scarlatina	Typhoid Fever.	Measles.	Varicella.	Total.
St. Antoine	1	.....	.....	.....	.....	.....	.....	1
St. Ann's	.....	.....	.....	1	.....	.....	2	3
St. Lawrence	7	.....	1	2	2	.....	.....	12
St. Louis	7	.....	.....	1	2	.....	.....	10
St. James	3	.....	.....	.....	1	.....	.....	4
St. Mary	1	.....	.....	.....	.....	.....	.....	1
St. Gabriel	.....	.....	.....	.....	.....	.....	.....	.....
St. Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	1	.....	.....	.....	.....	.....	.....	1
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	20	.....	1	4	5	.....	2	32

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

NORWEGIANS.	Diphtheria	Diphthér. Croup	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St. Antoine	.....	.....	.....	.....	.....	.....	.....	.....
St. Ann's	.....	.....	.....	.....	.....	.....	.....	.....
St. Louis	2	.....	.....	.....	1	1	.....	4
St. Lawrence	.....	.....	.....	.....	.....	.....	.....	.....
St. James	.....	.....	.....	.....	.....	.....	.....	.....
St. Mary	.....	.....	.....	.....	.....	.....	.....	.....
St. Gabriel	.....	.....	.....	.....	.....	1	.....	1
St. Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	1	.....	.....	1
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	2	.....	.....	.....	2	2	.....	6

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

SWEDISH.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St. Antoine	.....	.....	.....	.....	.....	.....	.....	.....
St. Ann's	1	.....	.....	.....	.....	.....	.....	1
St. Louis	.....	.....	.....	.....	1	.....	.....	1
St. Lawrence	.....	.....	.....	.....	1	.....	.....	1
St. James	.....	.....	.....	.....	.....	.....	.....	.....
St. Mary	.....	.....	.....	.....	.....	.....	.....	.....
St. Gabriel	1	.....	.....	.....	.....	.....	.....	1
St. Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	2	.....	.....	.....	2	.....	.....	4

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

GERMANS.	Diphtheria.	Diphther. Croup	Croup.	Scarlatina.	Typhoid. Fever.	Measles.	Varicella.	Total.
St-Antoine	1	.....	.....	1	.....	.....	.....	2
St-Ann's	1	.....	.....	.....	.....	.....	.....	1
St-Lawrence	1	.....	1	.....	1	.....	.....	3
St-Louis	1	.....	.....	.....	1	.....	.....	2
St-James	1	.....	.....	.....	.....	.....	.....	1
St-Mary	.....	.....	.....	.....	1	.....	.....	1
St-Gabriel	.....	.....	.....	.....	.....	.....	.....	.....
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	1	.....	.....	1
Total	5	.....	1	1	4	.....	.....	11

CONTAGIOUS DISEASES BY NATIONALITIES AND BY WARDS.

OTHER NATIONALITIES.	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina	Typhoid. Fever.	Measles.	Varicella.	Total.
St-Antoine	1	.....	.....	.....	2	.....	.....	3
St-Ann's	.....	.....	.....	.....	.....	.....	.....	.....
St-Lawrence	1	.....	.....	.....	1	.....	.....	2
St-Louis	.....	.....	.....	.....	.....	.....	.....	.....
St-James	.....	.....	.....	.....	1	.....	.....	1
St-Mary	.....	.....	.....	.....	.....	.....	.....	.....
St-Gabriel	.....	.....	.....	.....	.....	.....	.....	.....
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
Hochelaga	.....	.....	.....	.....	.....	.....	.....	.....
East	.....	.....	.....	.....	.....	.....	.....	.....
Centre	.....	.....	.....	.....	.....	.....	.....	.....
West	.....	.....	.....	.....	.....	.....	.....	.....
Total	2	.....	.....	.....	4	.....	.....	6

Those affected with Typhoid Fever, according to nationality, were as follows: 1 Acadian, 1 Bohemian, 1 Austrian and 1 Japanese: Diphtheria.—1 Portuguese and 1 negro.

SUMMARY OF CONTAGIOUS DISEASES BY NATIONALITIES.

CASES AND DEATHS.—1889.

	Diphtheria.	Diphther. Croup.	Croup.	Scarlatina	Typhoid. Fever.	Measles.	Varicella.	Total.
French-Canadians...	182	20	84	31	84	230	1	632
English	130	2	3	118	138	139	11	541
Irish	165	4	6	38	100	62	.....	375
Scotch	57	.....	3	41	55	47	.....	203
French	4	.....	.....	2	4	.....	.....	10
Acadians	.....	.....	.....	.....	1	.....	.....	1
Belgians	2	.....	.....	.....	.....	1	.....	3
Jews	20	.....	1	4	5	.....	2	32
Italians	6	.....	1	.....	1	2	.....	10
Germans	5	.....	1	1	4	.....	.....	11
Japanese	.....	.....	.....	.....	1	.....	.....	1
Portuguese	1	.....	.....	.....	.....	.....	.....	1
Austrians	.....	.....	.....	.....	1	.....	.....	1
Norwegians	2	.....	.....	.....	2	2	.....	6
Swedes	2	.....	.....	.....	2	.....	.....	4
Bohemians	.....	.....	.....	.....	1	.....	.....	1
Negroes	1	.....	.....	.....	.....	.....	.....	1
Total	577	26	99	235	399	483	14	1833

SUMMARY OF CONTAGIOUS DISEASES BY WARDS.—CASES AND DEATHS, 1889.

WARDS.	Diphtheria.	Diphther. Croup.	Croup	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St-Antoine	131	1	9	77	70	168	6	462
St-Ann's	102	.....	2	51	158	60	2	375
St-Lawrence	57	3	2	26	38	30	.....	151
St-Louis	43	2	6	26	37	47	3	164
St-James	47	1	20	5	26	42	3	144
St-Mary	98	5	37	13	15	67	.....	235
St-Gabriel	38	1	4	27	13	45	.....	128
St-Jean-Baptiste	43	7	7	2	12	12	.....	83
Hochelaga	14	5	11	.....	13	8	.....	51
East	4	.....	1	3	15	3	.....	26
Centre	.....	1	.....	5	.....	.....	.....	6
West	.....	.....	.....	.....	2	1	.....	3
Total	577	26	99	235	399	483	14	1833

DEFECTS FOUND IN HOUSES INFECTED BY CONTAGIOUS DISEASES.

1889.	Drain pipes.	Soil pipes from water-closets.	Privies connected with sewers.	Waste pipes from sinks	Damp walls.	Hidden defects.	Could not be examined.	Water in cellar.	Yards and dependencies dirty.	Water-closets in bad order.	Privies causing nuisance.	False addresses.	Total.
	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.	Cases & deaths.
Diphtheria	196	22	18	77	8	125	66	18	18	17	10	2	577
Dipht. Croup..	5	2	2	3	.....	5	7	.....	1	1	.....	.....	26
Croup	6	2	4	9	.....	46	18	2	3	3	2	4	99
Scarlatina.....	51	10	1	22	.....	85	30	12	5	11	6	2	235
Typhoid Fev..	97	15	7	75	1	106	30	11	11	22	14	10	399
Measles.....	43	5	19	27	.....	285	56	13	6	25	2	2	483
Varicella.....	1	.....	.....	2	.....	9	1	.....	.....	.....	.....	1	14
Total.....	399	56	51	215	9	661	208	56	44	79	34	21	1833

CONTAGIOUSNESS OF DIFFERENT DISEASES AS SHOWN BY THE NUMBER OF CASES OCCURRING IN EACH HOUSE.

DIPHTHERIA.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
399	48	18	3	2	1	.....	.....	.....

DIPHTHERITIC CROUP.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
23	.....	1	.....	.....	.....	.....	.....	.....

CROUP.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
91	4	.....	.....	.....	.....	.....	.....	.....

SCARLATINA.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
160	21	7	.....	1	.....	1	.....	.....

TYPHOID FEVER.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
319	24	6	2	.....	1	.....	.....	.....

MEASLES.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
219	70	22	11	6	2	1	1	1

VARICELLA.

1 case	2 cases	3 cases	4 cases	5 cases	6 cases	7 cases	15 cases	20 cases
5	3	1	.....	.....	.....	.....	.....	.....

Number of houses infected by contagious diseases 1488

* " " " " " placarded..... 300
" " " " " disinfected by the Departement 775
Number of houses infected by contagious diseases disinfected by physicians 50
Number of houses infected by contagious diseases disinfected by the families 25
Number of visits made by the disinfector 3800

Of the number of houses infected by contagious diseases, 800 were found in bad condition, and 600 notices were issued to the proprietors; in the balance of the cases, a verbal notice sufficed.

The inspection of the above mentioned houses was attended to by officers Ward, Mathieu, Nadeau and Chagnon. In every case in which it was possible to do so, the drains were tested with peppermint.

In cases of typhoid fever and measles, disinfection is not made compulsory; but the cleaning of the privy pits is insisted upon. Disinfection, is obligatory only in cases of diphtheria, diphtheritic croup and scarlatina.

CONTAGIOUS DISEASES ACCORDING TO AGES.—Cases and Deaths.

1889	Under 6 months.	From 6 m'ths to 1 year	From 1 to 5 years.	From 5 to 10 years.	From 10 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	Total.
Diphtheria	3	20	246	176	77	34	13	8	...	...	...	577
Diphtheritic Croup	...	1	16	8	1	...	...	...	...	...	...	26
Croup	11	9	66	13	...	...	...	...	...	...	...	99
Scarlatina	1	10	98	82	26	12	4	...	2	...	...	235
Typhoid Fever	...	...	24	43	126	144	40	14	6	1	1	399
Measles	7	47	210	129	62	24	4	...	...	...	...	483
Varicella	...	1	5	5	2	1	...	...	...	...	...	14
Total	22	88	665	456	294	215	61	22	8	1	1	1833

* Placarding was done only in cases of Diphtheria until the 1st of October when the same measure was adopted in cases of Scarlatina.

HOUSE OF REFUGE.

(Maintained at the expense of the Board of Health for the shelter of families while their houses are being disinfected.)

NUMBER OF FAMILIES

WARDS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
St-Antoine	6	3	3	4	5	3	0	1	0	2	3	5	35
St-Mary	2	1	3	4	2	2	1	2	3	3	4	3	30
St-James	3	1	2	1	0	1	1	2	1	1	1	0	14
St-Ann's	2	4	3	9	1	0	3	4	1	3	1	0	31
St-Louis	3	1	1	0	1	1	1	0	2	0	1	3	14
West	0	0	0	0	0	0	0	0	0	0	0	0	0
Centre	0	0	0	0	1	0	0	0	1	0	0	0	2
East	1	0	0	0	0	0	0	0	0	0	0	0	1
St-Gabriel	2	0	2	1	0	0	1	0	0	1	2	0	9
Hochelaga	2	0	0	0	1	0	0	0	0	2	0	0	5
St-Jean-Baptiste	0	1	0	0	1	1	2	1	0	2	0	1	9
St-Lawrence	3	3	3	3	5	1	2	0	0	1	0	2	23
Total	24	14	17	22	17	9	11	10	8	15	12	14	173

Number of persons 659.
Many families were obliged to spend all night at the refuge.

LISTS OF BAPTISMS FURNISHED TO THE HEALTH DEPARTMENT, FROM 1886 TO 1889, BY THE DIFFERENT CHURCHES THROUGHOUT THE CITY.

CHURCHES.	1886		1887		1888		1889	
	Number of names received.	Illegitimates	Number of names received.	Illegitimates	Number of names received.	Illegitimates	Number of names received.	Illegitimates
Notre-Dame	1290	59	1285	45	1193	70	1056	52
St-Jacques le majeur	685	13	696	10	741	6	725	7
St-Joseph	525	20	503	9	498	8	497	5
Sacré-Cœur de Jésus	798	7	873	4	894	2	908	12
St-Bridget's	801	1	838	2	854	1	832	7
St-Charles	229	0	293	2	264	1	304	0
St-Vincent-de-Paul	356	7	380	5	437	8	429	2
St-Jean-Baptiste	468	2	472	2	519	6	601	1
St-Louis	.....	.....	.....	.....	61	0	217	2
Hochelaga	204	2	215	2	258	1	236	4
St-Anns	277	4	169	4	329	1	310	2
St-Mary of Good Counsel	80	1	50	0	87	0	176	0
St-Grégoire	.....	.....	.....	.....	114	0	133	0
St-Anthony's	73	1	88	1	93	1	94	5
St-Gabriel	.....	.....	53	2	120	0	116	1
St-George's	57	0	60	0	75	0	35	1
St. Jude's	.....	.....	.....	.....	.....	.....	45	0
St-Luke's	25	0	.....	.....	.....	.....	.....	.....
St-Thomas	.....	.....	17	0	.....	.....	.....	.....
Grace	20	0	.....	.....	.....	.....	.....	.....
Messiah	11	0	.....	.....	.....	.....	.....	.....
St-Mark's	5	0	.....	.....	.....	.....	.....	.....
St. John Presbyterian	25	0	17	0	.....	.....	.....	.....
Crescent	3	0	.....	.....	.....	.....	.....	.....
St. Andrew's	4	0	.....	.....	.....	.....	.....	.....
St. Gabriel Presbyterian	23	0	.....	.....	.....	.....	.....	.....
St. Barthelemew	22	0	.....	.....	.....	.....	.....	.....
First French Methodist	4	0	.....	.....	.....	.....	.....	.....
West-End Methodist	11	0	.....	.....	.....	.....	.....	.....
Dominion Square Methodist	5	0	.....	.....	.....	.....	.....	.....
Total	6001	117	6009	88	6537	105	6714	96

From the year 1886, by an agreement entered into between the Board of Health and the religious authorities of the different denominations in the city, the latter consented to furnish to the Health Department, at certain fixed periods, lists of baptisms, giving the date of birth of each child, its christian names, and the names of the father and mother, as also their residence. The Board, on the other hand, agreed to pay the sum of five cents for each extract from the baptismal registers.

The Catholic churches, with the exception of the Cathedral and St. Patrick's, faithfully fulfilled the terms of the agreement.

As to the Protestant churches, in 1886 some sent in their lists, but as the table shows they neglected to do so in the following years.

No lists have ever been received from the following churches: Christ Church, Trinity, St. James, St. Martin, St. Stephen, Reformed Episcopal, St. Mary's (Hochelaga), Scotch Presbyterian, Knox, Calvin Presbyterian, American Presbyterian, St. Paul's Free Presbyterian, Erskine, St. Charles Presbyterian, Stanley St. Presbyterian, Savior Church, Chalmers, Taylor, Redeemer; St. Catherine, Mountain, Sherbrooke and Dorchester streets, also Point St. Charles Methodist churches; East End Methodist, Home mission, Douglass, French Mission, Olivet, French Congregation, First Baptist, Zion Church, Calvary Church, German Evangelican, and Advent Christian.

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STATEMENT OF VACCINATIONS PERFORMED BY Dr. J. E. NOLIN.

VACCINATOR FOR THE EASTERN DISTRICT.

MONTHS.	Number of visits.	Vaccinated by Dr Nolin.	Vaccinated by private physicians.	Sick.	Died.
January	743	81	22	103	15
February	717	82	30	121	23
March	950	111	21	182	10
April	822	134	13	131	17
May	951	223	46	156	37
June	823	131	19	147	36
July	.....	.....	.....	.....	.....
August	.....	.....	.....	.....	.....
September	710	66	.....	112	27
October	872	95	16	115	45
November	773	166	14	141	45
December	590	112	11	89	31
Total	7951	1201	192	1199	286

STATEMENT OF VACCINATIONS PERFORMED BY Dr H. DAZÉ.

VACCINATOR FOR THE CENTRE DISTRICT.

MONTHS.	Number of visits.	Vaccinated by Dr Dazé.	Vaccinated by private physicians.	Sick.	Died.
January	383	56	12	84	7
February	513	75	23	116	5
March	606	104	31	121	18
April	574	86	24	89	14
May	626	119	33	12	74
June	537	79	30	125	11
September	173	21	1	32	6
October	533	84	22	86	28
November	606	82	7	83	33
December	313	40	7	40	18
Total	4864	746	190	790	214

STATEMENT OF VACCINATIONS PERFORMED BY DR H. W. COYLE.

VACCINATOR FOR THE WESTERN DISTRICT.

1889	Number of visits.	Vaccinations by Dr Coyle.	Vaccinations by private physicians.	Sick.	Died.
January	460	46	15	42	12
February	495	59	19	78	19
March	521	88	23	87	30
April	495	103	27	67	18
May	848	186	67	38	19
June	740	86	25	135	31
September	118	16	7	22	8
October	360	87	29	49	38
November	677	183	77	72	23
December	235	31	10	23	16
Total	4949	885	299	613	204

REMARKS ON VACCINATION.

The vaccinators make a second visit in every case of vaccination in order to make certain that the vaccination has taken, no child being recorded as vaccinated unless the operation has proved satisfactory.

The unsuccessful cases in primary vaccinations have not been numerous. Hardly 5 per cent of the children needed to undergo the operation a second time ; in a few cases, a third time. A few cases in in which undue inflammation became developed ended satisfactorily.

During the months of July and August the vaccinators, as usual, employed the time preparing an index of all the vaccinations made during the preceding months, and preparing their lists for the next season. Owing to the unusual heat during September, the work of vaccination was delayed until towards the end of the month.

Whenever required during the year, the vaccinators were employed in visiting families afflicted into contagious diseases, visiting unsanitary houses, etc ; so that their services were not solely confined to vaccination work.

COMPARATIVE STATEMENT OF PUBLIC VACCINATION FOR THE YEARS 1887, 1888 AND 1889.

	1887				1888				1889			
	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.
Dr Nolin	974	364	1244	308	1151	300	940	124	1201	192	286	1199
Dr Dazé	530	253	134	571	850	317	121	159	746	190	214	790
Dr Coyle	499	163	86	540	801	295	138	552	885	299	204	613
Total	2003	780	1464	1419	2802	912	1199	835	2832	681	704	2602
Total vaccinations	2783				3714				3513			
Total vaccinations and deaths	4247				4913				4217			
Grand total	5666				5748				6819			

BIRTHS AND MARRIAGES DURING THE YEAR 1889.

ACCORDING TO THE ACTS OF CIVIL STATUS SUPPLIED BY THOSE HAVING CHARGE OF THE ECCLESIASTICAL REGISTERS.

CATHOLIC CHURCHES.	Sex		Marriag's.
	M.	F.	
French-Canadians :			
Cathedral	1	6	128
Notre-Dame	536	520	278
St-Jacques le Majeur	368	355	170
St-Joseph's	242	258	101
Sacré-Cœur de Jésus	481	451	156
St-Bridget's	426	424	167
St-Charles	165	145	47
St-Vincent de Paul	225	208	80
St-Jean-Baptiste	308	295	98
St-Louis	93	113	27
La Nativité de la Ste-Vierge, Hochelaga	123	113	54
Hospice de la Maternité	163	152	
Sisters of the Providence	.....	.....	
Grey Nuns	38	54	
	3169	3094	1306
Other Catholic Churches :			
St-Patrick's	201	205	85
St-Ann's	171	138	62
St-Mary of Good Council	56	69	23
St-Anthony's	45	54	25
St-Gabriel	64	64	23
	537	530	218

BIRTHS AND MARRIAGES DURING THE YEAR 1889.—*Continued.*

PROTESTANT CHURCHES.	Sex M.	Sex F.	Marriages.
Churches of England:			
Christ Church (cathedral)	11	19	14
Trinity	17	21	14
St-George's	46	36	21
St-James	12	12	10
St-Martin's	25	19	9
St-Thomas	12	21	8
Grace	58	38	19
St-Stephens	25	24	43
St-Luke's	30	20	22
St-Jude's	.....	.....	
Reformed Episcopal	5	4	6
St Mary's, Hochelaga	8	3	5
	249	217	171
Presbyterian Churches:			
Scotch Presbyterian	28	35	19
Knox	10	4	21
Presbyterian (Calvin)	20	15	19
St-Mark's	5	7	17
American Presbyterian	22	22	27
St-Paul's	7	12	4
Free Presbyterian	.....	.....	
Erskine	9	14	10
Presbyterian (Point St. Charles)	49	54	22
Presbyterian (Stanley st)	11	8	12
St-Andrew's	9	12	16
Presbyterian (Crescent st)	7	7	10
Presbyterian (French)	9	2	6
Presbyterian (Savior Ch.)	2	.....	
Chalmers	9	12	17
Taylor's	9	9	9
Redeemer	3	2	1
	209	215	210

BIRTHS AND MARRIAGES DURING THE YEAR 1889.—*Continued.*

PROTESTANT CHURCHES.	Sex		Marriages.
	M.	F.	
Methodist Churches:			
Methodist (St. Catherine st)	14	13	25
Methodist (Mountain st)	29	30	21
Methodist (Sherbrooke st)	20	17	13
Methodist (Pt. St. Charles)	17	23	13
Methodist (Dom : Square	13	8	18
Methodist (Dorchester)	8	8	1
Methodist (1st French)	4	3	12
Methodist (East End)	11	11	5
Methodist (West End	8	16	7
Methodist (Home mission)	.....	.....	.....
Methodist (Douglas)	8	5	4
Methodist (French Mission)	9	4	2
Methodist (Notre Dame st west)	.....	.....	.....
Methodist (Hochelaga)	1	5	2
	142	143	123
Baptist Churches:			
Olivet	11	12	9
French Congregation	1	.....	5
First Baptist	10	5	7
	22	17	21
Congregational Churches:			
Congregational (meets in Zion Church)	3	2	
Congregational (meets in Calvary Church)	4	4	9
	7	6	9
Unitarian Churches:			
Christian Unitarian	11	8	1
Lutheran Churches:			
German Evangelical	13	8	11
Advent Church:			
Advent Christian	3	1	1
Montreal General Hospital	12	20	14

BIRTHS AND MARRIAGES DURING THE YEAR 1889.—*Concluded.*

JEWISH CHURCHES.	Sex M.	Sex F.	Marriages.
New Jerusalem	.....	.....	
Jewish Religion	18	7	7
English and German	6	3	10
Temple Emmanuel	1	6	3
Polish and Russian (Buery of Jacob)	4	1	2
Emmanuel	.....	1	
	29	18	22

BIRTHS:

	Births.	Rate per 1000 of population.	Surplus of births over deaths.
French-Canadians	6263	52.36	2311
Other Catholics	1067	28.85	269
Protestants	1350	25.27	512
Total	8680	41.33	3092

MARRIAGES:

	Marriages.	Per 1000 of the population.
French-Canadians	1306	10.92
Other Catholics	218	5.89
Protestants	583	10.91
Total	2107	10.03

DEATHS:

	Deaths.	Population.	Rate per 1000 of population.
French-Canadians	3952	119.612	33.04
Other Catholics	798	36.981	21.57
Protestants	838	53.407	15 69
Total	5588	210.000	26.60

MORTALITY ACCORDING TO POPULATION.

FROM 1872 TO 1889.

	Population.	Deaths.	Rate per 1000 of population.
1872	120759	4512	37.36
1873	123715	3716	30.03
1874	124745	4520	36.23
1875	129840	4328	33.33
1876	133000	4557	34.26
1877	134500	4715	35.05
1878	135000	4119	30.51
1879	135000	3704	27.43
1880	140000	3767	26.90
1881	143000	3888	27.18
1882	144000	3906	27.12
1883	150000	3849	25.60
1884	162959	4358	26.74
1885	167501	7825	46.71
1886	183504	4655	25.36
1887	189051	5286	27.96
1888	201743	5824	28.86
1889	210000	5588	26.60

COMPARATIVE TABLE OF BIRTHS AND DEATHS.

	French-Canadians.	Other Catholics.	Protestants.
Births	6263	1067	1350
Deaths	3952	798	838
Excess of Births over Deaths	2311	269	512
Rate of increase per 1000 of population	19.32	7.27	9.58

Mortality by sex.

Males	2807
Females	2781
Total	5588

Social condition.

Married	943
Widowers	144
Widows	319
Single	499
Children	3683
Total	5588

MORTALITY BY

		January.		February.		March.		April.		May.	
		Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
French-Canadians.	Under 5 years..	175	62.27	157	59 69	175	65.78	175	57.56	192	61.73
	Above 5 years..	106	37.72	106	40.26	91	34.21	129	42.43	119	38.26
Other-Catholics.	Under 5 years..	16	35.55	25	41.66	16	27.11	30	39.47	18	28.1[illegible]
	Above 5 years..	29	64.44	35	58.33	43	72.88	46	60.52	46	71.
Protestants.	Under 5 years..	17	32.69	28	41.79	33	46.47	40	54.79	37	4[illegible]
	Above 5 years..	35	67.30	39	58.20	38	53.52	33	45.20	38	

MONTHS AND BY NATIONALITIES.

June.		July.		August.		September		October.		November		December.	
Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
364	78.11	247	79.39	279	70.99	320	73.56	170	62.73	124	57.94	102	55.13
102	21.88	316	20.60	114	29.00	115	26.43	101	37.26	90	42.05	83	44.86
48	56.47	56	63.63	36	52.17	34	43.03	15	25.86	24	35.29	16	34.04
37	43.52	32	36.36	33	47.82	45	56.96	43	74.13	44	64.70	31	65.95
47	56.62	48	57.83	43	53.75	41	50.61	23	36.50	18	35.29		23.72
36	43.37	35	42.16	37	46.24	40	49.38	40	63.49	33	64.70	45	76.27

MORTALITY ACCORDING TO AGES.

AGES.	Catholics		Protestants	Total.	Proportion per cent of the total mortality.	
	French Canadians.	Other Catholics.				
Under 6 months.....	1238	136	172	1546	27.66	60.86
From 6 months to 1 year	615	74	76	765	13.69	
" 1 to 5 years.....	827	122	141	1090	19.50	
" 5 to 10 "	139	37	32	208	3.72	39.11
" 10 to 15 "	48	13	16	77	1.37	
" 15 to 20 "	68	18	24	110	1.96	
" 20 to 30 "	182	76	70	328	5.86	
" 30 to 40 "	154	41	58	253	4.52	
" 40 to 50 "	154	59	62	275	4.92	
" 50 to 60 "	136	56	57	249	4.45	
" 60 to 70 "	132	63	52	247	4.41	
" 70 to 80 "	156	63	49	268	4.79	
" 80 to 90 "	85	39	21	145	2.59	
" 90 to100 "	18	1	7	26	.45	
"100 and over.....	.....	.....	1	1	.01	
Unknown.....	.....	.....	.....	.....		
Total.....	3952	798	838	5588		

	Mortality under 5 years.	Proportion per cent of total mortality.	Mortality above 5 years.	Proportion per cent of total mortality.
French Canadians.....	2680	67.81	1272	32.18
Other Catholics.....	332	41.60	466	58.39
Protestants.....	389	46.42	449	53.57
Total.....	3401	60.86	2187	39.1

Of the 3952 deaths amongst the French Canadians, 2680 were under 5 years of age; 255, from 5 to 20 years; 758, from 20 to 70 years; and 259, from 70 to 100 years.

Amongst the other Catholics,332 were under 5 years; 68, from 5 to 20 years; 295, from 20 to 70 years, and 103, from 70 to 100 years.

Of the 838 among the Protestants, 389 were under 5 years: 72, from 5 to 20 years; 299, from 20 to 70 years, and 78 from 70 to 100 years.

The mortality amongst the French Canadians under 5 years was 67.81 per cent and above that age 32.18 of their total mortality. Amongst the other Catholics, the mortality under 5 years was 41.60 per cent. and above that age 58.39. Amongst the Protestants the mortality under 5 years was 46.42 per cent of the total and above that age, 53.57.

The total mortality under 5 years of age formed 60.86 per cent of the entire mortality at all ages; and above that age, 39.11 per cent.

MORTALITY BY WARDS, HOSPITALS, ETC.

Wards, Hospitals, etc.	Population.	Mortality by all causes.	Mortality per 1000 of the population of each ward.	Diphtheria.	Typhoid. Fever.	Diarrhœal. diseases.	Phthisis.	Area of wards in acres.
St-Ann's	27,699	459	16.57	20	17	56	42	732.75
St-Antoine	46,305	686	14.81	29	9	91	54	1062.33
St-Lawrence	18,006	328	18.21	13	9	30	36	301.50
St-Louis	24,277	608	25.04	10	6	84	65	242.00
St-James	30,790	909	29.52	26	8	147	86	381.00
St-Mary	29,741	1194	40.14	52	5	194	88	621.00
West	3,252	14	4.30	.....	.....	.....	1	54.33
Centre	1,559	15	9.62	1	.....	1	2	42.00
East	4,554	88	19.32	2	1	12	9	57.16
Hochelaga	6,901	161	23.32	8	4	35	12	1230.00
St-Jean-Baptiste	9,612	451	46.92	18	4	113	26	308.00
St-Gabriel	7,304	263	36.00	12	.....	38	23	330.00
Unknown	.....	5	.....	.....	.....	1	.....	.....
Total	210,000	5181	26.60	191	63	802	444	5362.07
Hotel-Dieu	.....	140	.....	.....	3	1	43	.....
Notre-Dame Hospital	.....	47	.....	.....	1	.....	12	.....
Montreal General Hospital	.....	111	.....	7	4	2	14	.....
Other Institutions	.....	109	.....	2	1	.....	7	.....
Grand total	.....	5588	.....	200	72	805	520	.....

St. Jean-Baptiste ward.—The highest death-rate occurred in this ward, namely, 451 deaths, or 46.92 per 1000 of the population, or 8.07 per cent of the total city mortality. Nine per cent of the total deaths from diphtheria and 5.52 per cent of those from typhoid fever, took place in this ward.

St. Mary's ward.—The next highest death-rate took place in this portion of the city : 1194 deaths giving a rate of 40.14 per 1000 of the population, or 21.36 per cent of the total mortality of the city. Here, also, 26 per cent of the total deaths from diphtheria and 6.94 per cent of those from typhoid fever occured.

St. Gabriel ward.—In this ward there were 263 deaths, giving a rate of 36 per 1000 of the population, or 4.70 per cent of the total city mortality. Six per cent of the total deaths from diphtheria was contributed by this ward. There were no death from typhoid fever.

St. James ward.—The deaths in this ward amounted to 909, giv-

ing a rate of 29.52 per 1000 of the population, or 16.26 per cent of the total city mortality. The deaths from diphtheria gave a rate of 13 per cent of the total from this cause, and those from typhoid fever, 11.11 per cent.

St. Louis ward.—There were 608 deaths from all causes, in this ward, or 25.04 per 1000 of the population, or 10.88 per cent of the total city mortality. Five per cent of the total deaths from diphtheria and 8.33 per cent of those from typhoid fever occured here.

Hochelaga ward.—There were 161 deaths from all causes in this ward, or 23.32 per 1000 of the population, or 2.88 per cent of the total city mortality. Four per cent of the deaths from diphtheria and 5.52 per cent of those from typhoid fever occurred in this part of the city.

East ward.—Eighty-eight deaths from all causes occurred in this ward, giving a rate of 19.32 per 1000 of the population. One per cent of the deaths from diphtheria and 1.38 per cent of those from typhoid fever occurred here.

St. Lawrence ward.—The mortality in this ward, (328 deaths) gave a rate of 18.21 per 1000 of the population, or 5.86 per cent of the total city mortality. Six and one half per cent of the deaths from diphtheria and 12.50 per cent of those from typhoid fever occured in the same ward.

St. Ann's ward.—Four hundred and fifty-nine deaths from all causes took place in this ward, giving a rate of 16.57 per 1000 of the population, or 8.21 per cent of the total city mortality. Ten per cent of the deaths from diptheria and 23.61 per cent of those from typhoid fever, occurred in this ward.

St. Antoine ward.- This ward contributed 686 deaths to the general mortality, giving a rate of 14.81 per 1000 of the population, or 12.27 per cent of the total city mortality. Fourteen and one half per cent of the total deaths from diphtheria and 12.55 per cent of those from typhoid fever occured in this ward.

Centre ward.—There were 15 deaths from all causes in this ward, or 9 62 per 1000 of its population, or 0.26 per cent of the total mortality of the city. The proportion of the total deaths from diphtheria that occurred in the ward, was 0.5 per cent. There were no deaths from typhoid fever.

West ward.—Fourteen deaths from all causes took place in this ward, giving a rate of 4.30 per 1000 of the population, or 0.25 per cent of the total city mortality. There were no deaths from either diphtheria or typhoid fever in this part of the city.

MORTALITY FROM DIPHTHERIA.

Ages.

Nationality.	Under 6 months.	Fr. 6 m'ths to 1 year	Fr. m 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years	From 15 to 20 years	From 20 to 30 years	From 30 to 40 years	From 40 to 50 years	From 50 to 60 years	From 60 to 70 years	From 70 to 80 years	From 80 to 90 years	From 90 to 100 y'rs	100 years and over.	Unknown.	Total.
French-Canadians	1	7	69	38	5	...	...	...	...	...	...	...	...	...	...	...	120
Other Catholics	1	1	20	12	1	...	...	...	...	...	...	...	...	...	...	...	35
Protestants	1	1	30	9	2	...	1	...	...	1	...	...	...	...	...	...	45
Total	3	9	119	59	8	...	1	...	...	1	...	...	...	...	...	...	200

WARDS, ETC.

St-Ann's	20
St-Antoine	29
St-Lawrence	13
St-Louis	10
St-James	26
St-Mary	52
West	...
Centre	1
East	2
Hochelaga	8
St-Jean-Baptiste	18
St-Gabriel	12
Total	191
Hotel-Dieu	...
Notre-Dame Hospital	...
Montreal General Hospital	7
Other Institutions	2
Grand total	200

MORTALITY FROM TYPHOID FEVER.

Nationality.	Under 6 months.	Fr. 6 m'ths to 1 year	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years	From 15 to 20 years	From 20 to 30 years	From 30 to 40 years	From 40 to 50 years	From 50 to 60 years	From 60 to 70 years	From 70 to 80 years	From 80 to 90 years	Fr. 90 to 100 years	100 years and over	Unknown.	Total.
French-Canadians	..	1	1	6	3	4	12	4	1	...	...	...	...	...	...	...	32
Other Catholics	...	...	...	1	1	2	3	1	1	...	...	1	...	...	...	...	10
Protestants	...	...	1	...	2	4	13	6	3	1	...	...	...	...	..	...	30
Total	...	1	2	7	6	10	28	11	5	1		1					72

WARDS, ETC.

St-Ann's	17
St-Antoine	9
St-Lawrence	9
St-Louis	6
St-James	8
St-Mary	5
West	...
Centre	...
East	1
Hochelaga	4
St-Jean-Baptiste	4
St-Gabriel	...
Total	63
Hotel-Dieu	3
Notre-Dame Hospital	1
Montreal General Hospital	4
Other Institutions	1
Grand total	72

MORTALITY BY CERTAIN SPECIAL CAUSES.

DISEASES.	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889
Small Pox	509	703	506	728	472	140	5	.....	.....	.....	3164	70	.....	.....	.....
Measles	66	6	58	2	5	78	12	18	33	17	142	11	74	37	108
Scarlatina	197	42	33	29	22	43	47	54	39	16	42	22	10	9	19
Diphtheria	32	122	318	201	124	106	163	163	155	285	306	257	488	427	200
Typhoid Fever	92	104	103	69	63	67	103	106	104	88	77	79	101	94	72
Dysentery	22	38	45	24	28	22	35	28	22	26	18	24	25	43	31
Diarrhœa	232	294	348	159	348	279	287	397	273	349	256	266	409	392	476
Cholera Infantum	211	240	199	176	105	153	161	134	190	255	185	247	306	305	298
Dentition	106	114	131	102	69	85	85	66	76	70	82	74	74	78	107
Phthisis Pulmonalis	362	413	450	410	379	434	403	440	431	467	442	484	470	539	520

ELEVEN PRINCIPAL CAUSES OF DEATH BY MONTHS.

Diseases.	January.	February.	March.	April	May.	June	July.	August.	September.	October.	November.	December.	Total.
Diphtheria	23	15	22	13	17	19	15	10	11	16	21	18	200
Typhoid fever	3	3	2	3	2	2	3	15	19	8	6	6	72
Dysentery	1	...	1	...	1	4	8	7	5	2	2	...	31
Diarrhœa	3	5	6	5	13	116	136	82	79	22	5	4	476
Cholera Infantum	1	...	...	...	9	79	99	48	48	8	4	2	298
Dentition	4	6	6	5	13	18	13	12	20	8	...	2	107
Phthisis	37	34	44	46	55	42	44	37	45	52	40	44	520
Convulsions	12	11	17	21	14	15	23	12	12	12	14	7	170
Pneumonia	25	35	36	35	25	17	14	11	12	18	21	14	263
Bronchitis	32	28	32	31	25	14	18	18	14	29	17	14	272
Debility	46	44	41	59	52	65	68	57	67	40	43	48	630

MORTALITY BY MONTHS.

Months.	1888		1889	
	Mortality.	Mean Temperature	Mortality.	Mean Temperature
January	492	3.66	378	21.23
February	444	12.42	390	10.59
March	454	23.22	396	28.70
April	425	36.85	453	43.34
May	411	53.55	450	56.95
June	571	65.81	634	62.91
July	748	67.93	734	67.97
August	554	64.18	542	64.97
September	492	55.43	595	59.93
October	390	39.51	392	40.15
November	441	33.25	333	34.29
December	402	22.39	291	23.79
	5824	39.83	5588	42.90

The lowest mortality occurred in the month of December, the number of deaths during that portion of the year amounting only to 291, or 111 less than in the preceding year. The mean number of deaths for each day was 9.38, or 3.58 less than in the same month last year. The mean temperature was 23.79, or 1.4 higher than in the corresponding month of 1888.

The highest mortality occurred in July, during which month 734 deaths took place, 14 less than in the same month of the preceding year. The mean temperature was 67 97 or 0.04 higher than in the same month in 1888.

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFLUENCED BY THE SEASONS.

MORTALITY BY WARDS.

1889.

Diseases.	St-Mary.	St-James.	St-Louis.	St-Jean-Baptiste.	St-Antoine	St-Ann's.	St-Lawr'ce	St-Gabriel.	Hochelaga.	East.	Centre	West.	Total.
Athrepsia.....	2	0	3	2	0	0	0	0	0	0	0	0	7
Cholera Infantum..	61	45	23	54	27	16	11	19	18	4	0	0	278
Diarrhœa †.....	194	134	69	59	72	50	24	27	18	14	1	0	662
Marasmus	3	0	1	3	4	4	20	5	0	0	0	1	41
Dentition	15	20	16	9	5	12	2	17	7	2	1	1	107
Infantile Debility...	126	69	36	49	47	32	29	16	28	4	2	0	438
Convulsions.....	27	25	22	11	17	21	15	1	1	2	0	0	142
Cerebritis.....	1	0	1	0	2	1	2	0	0	0	0	0	7
Meningitis.....	65	48	57	27	31	15	15	12	6	5	1	0	282
Total	494	341	228	214	205	151	118	97	78	31	5	2	1964

† This cause includes enteritis, as well as diarrhœa properly so called.

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFUENCED BY THE SEASONS.

AGES.	St-Mary.	St-James.	St-Louis.	St-Jean-Baptiste.	St-Antoine.	St-Ann's.	St-Lawrence.	St-Gabriel.	Hochelaga.	East.	Centre.	West.	Total.
Under 6 months	254	183	119	125	118	75	74	57	43	18	3	1	1070
From 6 months to 1 year	133	99	63	56	44	38	27	28	23	6	2	1	520
From 1 year to 5 years	107	59	45	33	43	38	17	12	12		0	0	374
Total	494	341	228	214	205	151	118	97	78	31	5	2	1964

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFLUENCED BY THE SEASONS.

DEATHS BY AGES AND WARDS.

1889.

AGES.	St-Mary. Athrepsia.	Cholera Infant.	Diarrh. and enteritis.	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Méningitis.	Total.	St-James. Athrepsia.	Cholera Infant.	Diarr. & enteritis	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Meningitis.	Total.	St-Louis. Athrepsia.	Cholera Infant.	Diarr. & enteritis	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Meningitis.	Total.	St-Jean-Baptiste. Athrepsia.	Cholera Infant.	Diarr. & enteritis	Marasmus.	Dentition.	Debility Infant.	Convulsions.	Cerebritis.	Meningitis.	Total.	Total.
Under 6 months....	2	27	93	2	0	97	12	1	20	254	0	23	79	0	1	55	9	0	16	183	3	19	40	0	2	29	11	0	15	119	1	27	32	0	2	40	8	0	15	125	
From 6 ms. to 1 yr.	0	24	64	0	8	16	6	0	15	133	0	16	39	0	16	7	5	0	16	99	0	3	25	1	10	2	4	0	18	63	0	18	20	0	3	6	3	0	6	56	
" 1 y. to 5 years.	0	10	37	1	7	13	9	0	30	107	0	6	16	0	3	7	11	0	16	59	0	1	4	0	4	5	7	1	24	46	1	9	7	3	4	3	0	0	6	33	
Total.....	2	61	194	3	15	126	27	1	65	494	0	45	134	0	20	69	25	0	48	341	3	23	69	1	16	36	22	1	57	228	2	54	59	3	9	49	11	0	27	214	1277
	St-Antoine.										St-Ann's.										St-Lawrence.										St-Gabriel.									
Under 6 months.....	0	14	37	3	0	41	10	1	12	118	0	5	24	2	2	28	13	0	1	75	0	5	14	18	0	23	7	0	7	74	0	12	17	4	4	14	0	0	6	57	
From 6 ms. to 1 yr.	0	8	21	0	0	4	3	1	7	44	0	8	14	1	6	3	8	0	3	38	0	4	8	2	2	3	3	2	3	27	0	6	8	1	9	2	0	0	2	28	
From 1 yr. to 5 yrs.	0	5	14	1	5	2	4	0	12	43	0	3	12	1	4	1	5	1	11	38	0	2	2	0	0	3	5	0	5	17	0	1	2	0	4	0	1	0	4	12	
Total.....	0	27	72	4	5	47	17	2	31	205	0	16	50	4	12	32	21	1	15	151	0	11	24	20	2	29	15	2	15	118	0	19	27	5	17	16	1	0	12	97	571
	Hochelaga.										East.										Center.										West.									
Under 6 months..	0	10	6	0	1	23	1	0	2	43	0	3	11	0	0	3	1	0	0	18	0	0	0	0	0	2	0	0	1	3	0	0	0	1	0	0	0	0	0	1	
From 6 ms. to 1 yr.	0	7	9	0	3	2	0	0	2	23	0	1	2	0	2	0	0	0	1	6	0	0	1	0	1	0	0	0	0	2	0	0	0	0	1	0	0	0	0	1	
From 1 yr. to 5 yrs	0	1	3	0	3	3	0	0	2	12	0	0	1	0	0	1	1	0	4	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total.....	0	18	18	0	7	28	1	0	6	78	0	4	14	0	2	4	2	0	5	31	0	0	1	0	1	2	0	0	1	5	0	0	0	1	1	0	0	0	0	2	116
																																								Grand total.....	1964

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE

BY DISEASES INFLUENCED BY THE SEASONS.

Diseases	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Athrepsia	0	0	0	0	1	0	0	1	4	1	0	0	7
Cholera Infantum	1	0	0	3	8	77	86	45	46	10	3	2	278
Diarrhœa and Enteritis	4	5	5	11	23	142	185	119	122	28	10	6	662
Marasmus	0	2	0	1	4	11	6	2	2	1	0	1	41
Dentition	4	6	6	5	14	17	13	12	20	7	0	3	107
Infantile Debility	35	21	25	32	31	45	57	49	55	30	30	32	438
Convulsions	10	8	15	16	12	14	19	12	12	12	8	5	142
Cerebritis	1	0	1	0	1	0	2	1	0	1	0	0	7
Meningitis	18	24	12	26	16	32	39	28	40	15	18	12	282
Total	73	66	71	94	110	338	407	269	301	105	69	61	1964

In publishing a detailed statement for the entire year from January to December instead of for the warm months only, it has been the intention to allow the reader an opportunity of judging for himself of the effects of the warm months upon the infantile mortality.

The causes of death in the foregoing tables are given as they appear in the physicians' certificates of death, the nomenclature being modified only to meet the requirements of the general classification.

PREMATURE BIRTHS BY MONTHS.

MONTHS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males	5	11	7	4	3	6	6	10	12	9	8	3	84
Females	8	10	6	4	10	10	6	6	5	6	3	6	80
Sex unknown	3	3	6	4	14	9	8	7	10	7	10	.....	81
Total	16	24	19	12	27	25	20	23	27	22	21	9	245

TIME OF GESTATION.

Two months	...	...	...	.....	1	.....	.....	.....	.....	1	.....	.....	2
Three "	...	...	...	1	.....	.....	.....	.....	.....	1	.....	.....	2
Four "	1	2	...	.....	.....	1	1	1	1	.....	1	.....	8
Five "	1	2	4	1	.....	.....	1	3	1	1	2	.....	16
Six "	3	1	2	.....	3	3	3	2	3	4	2	.....	26
Seven "	2	2	...	.....	2	3	3	3	2	3	.....	2	22
Eight "	1	2	2	.....	1	1	1	1	1	.....	.....	1	11
Nine "	1	...	...	1	.....	.....	1	1	1	1	1	.....	7
Period Unknown	7	15	11	9	20	17	10	12	18	11	15	6	151
Total	16	24	19	12	27	25	20	23	27	22	21	9	245

CERTIFIED.

By physicians	14	24	18	11	25	24	17	23	23	22	20	8	229
By midwives	2	...	1	1	2	1	3	.....	4	.....	1	1	16
By the coroner	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	16	24	19	12	27	25	20	23	27	22	21	9	245

STILL-BIRTHS BY MONTHS.

SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males	1	1	3	9	1	2	3	5	4	4	2	4	39
Females	1	2	2	4	.....	1	3	1	3	4	3	6	30
Unknown.....	5	6	5	12	7	6	2	4	5	3	3	13	71
Total...	7	9	10	25	8	9	8	10	12	11	8	23	140

TIME OF GESTATION

Two months, ...	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Three "	...	...	...	.....	2	.....	.....	.....	.....	.....	.....	1	3
Four "	...	...	...	.....	.....	1	2	1	.....	1	.....	1	6
Five "	...	...	...	1	.....	.....	.....	.....	1	1	.....	1	4
Six "	..	...	1	2	.....	1	.....	.....	.....	1	.....	1	6
Seven "	...	...	...	2	2	.....	.....	1	.....	2	1	1	9
Eight "	1	...	...	.....	.....	.....	.....	.....	.....	1	.....	3	5
Nine "	...	...	...	.....	.....	.....	.....	1	1	.....	.....	1	3
Period Unknown.....	6	9	9	20	4	7	6	7	10	5	7	14	104
Total...	7	9	10	25	8	9	8	10	12	11	8	23	140

CERTIFIED.

By physicians	7	7	7	24	8	9	7	10	12	11	7	23	132
By mid-wives.....	...	2	1	1	.....	.....	1	.....	.....	.....	1	.....	6
By the coroner.....	...	...	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Total...	7	9	10	25	8	9	8	10	12	11	8	23	140

MORTALITY BY ALL CAUSES AND BY MONTHS.

	January.	February.	March.	Total.	April.	May.	June.	Total.	July.	August.	September	Total.	October.	November.	December.	Total.	Grand
Measles	23	13	14	50	24	13	12	49	5	1	1	7	2	.....	.....	2	1
Scarlatina	1	1	2	4	2	4	3	9	.....	.....	1	1	2	1	2	5	1
Diphtheria	23	15	22	60	13	17	19	49	15	10	11	36	16	21	18	55	2
Croup	13	7	7	27	6	5	13	24	8	2	7	17	11	10	5	26	1
Wooping-Cough	.....	1	2	3	4	11	12	27	19	20	14	53	18	8	5	31	1
Typhoid Fever	3	3	2	8	3	2	2	7	3	15	19	37	8	6	6	20	1
Cerebro-Spin. Mening.	2	1	.....	3	2	1	2	5	4	2	2	8	.....	2	.....	2	1
Erysipelas	1	2	3	6	4	1	1	6	1	.....	1	2	.....	1	.....	1	1
Other Fevers	.....	2	3	5	2	4	1	7	3	3	2	8	1	3	3	7	2
Dysentery	1	.....	1	2	.....	1	4	5	8	7	5	20	2	2	.....	4	3
Diarrhœa	3	5	6	14	5	13	116	134	136	82	79	297	22	5	4	31	476
Cholera Infantum	1	.....	.....	1	.....	9	79	88	99	48	48	195	8	4	2	14	298
Cholera Canadensis	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	3	.....	.....	.....	.....	3
Other Zymotic Diseases	3	2	5	10	6	3	4	13	6	4	4	14	6	4	3	13	50
Total, class 1st	74	52	67	193	71	84	268	423	309	194	195	698	96	67	48	211	1525
Cancer	6	6	9	21	8	8	11	27	11	14	6	31	9	4	5	18	97
Phthisis	37	34	44	115	46	55	42	143	44	37	45	126	52	40	44	136	520
Other Const'l. Diseases.	8	14	18	40	13	19	16	48	18	17	13	48	8	9	10	27	163
Total, class 2nd	51	54	71	176	67	82	69	218	73	68	64	205	69	53	59	181	780
Encephalitis	27	28	24	79	30	28	40	98	47	31	42	120	17	15	12	44	341
Apoplexy	7	1	4	12	6	2	1	9	2	4	.....	6	3	2	2	7	34
Paralysis	1	8	3	12	8	4	3	15	6	11	11	28	8	9	3	20	75
Convulsions	12	11	17	40	21	14	15	50	23	12	12	47	12	14	7	33	170
Other Diseases of Nervous Sytem	11	11	6	28	11	16	13	40	13	10	11	34	4	10	9	23	125
Heart Diseases	22	28	19	69	28	26	28	82	18	19	26	63	20	19	23	62	276
Other Diseases of Circulatory Organs	4	5	3	12	2	1	2	5	2	.....	3	5	2	2	1	5	27
Bronchitis	32	28	32	92	31	25	14	70	18	18	14	50	29	17	14	60	272
Pneumonia	25	35	36	96	35	25	17	77	14	11	12	37	18	21	14	53	263
Other Diseases of Respiratory Organs	13	13	15	41	16	16	6	38	8	10	16	34	11	9	10	30	143
Enteritis	4	7	2	13	12	13	25	50	49	29	43	121	8	7	5	20	204
Other Diseases of Digestive Organs	12	9	13	34	15	10	23	48	12	15	17	44	13	16	11	40	166
Diseases of Urin. Org's.	8	12	5	25	11	4	4	19	8	10	6	24	7	4	7	18	86
Other Local Diseases	4	2	1	7	3	2	4	9	5	2	4	11	.....	4	1	5	32
Total, class 3rd	182	198	180	560	229	186	195	610	225	182	217	624	152	149	119	420	2214
Dentition	4	6	6	16	5	13	18	36	13	12	20	45	8	.....	2	10	107
Senility	5	9	5	19	2	6	2	10	5	2	3	10	4	1	5	10	49
Debility	46	44	41	131	59	52	65	176	71	57	67	195	40	43	48	131	633
Asphyxia Neonatorum	1	7	11	19	4	4	6	14	11	12	7	30	6	2	2	10	73
Other Developmental Diseases	6	7	4	17	4	1	5	10	7	4	4	15	4	6	3	13	35
Total, class 4th	62	73	67	202	74	76	96	246	107	87	101	295	62	52	60	174	917
Accidental	4	11	5	20	7	15	4	26	11	7	10	28	9	5	3	17	91
Surgical Operations	.....	.....	1	1	.....	.....	.....	.....	.....	.....	2	2	.....	.....	.....	.....	3
Otherwise	.....	1	1	2	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	3
Unknown	5	1	4	10	5	7	2	14	9	4	5	18	4	7	2	13	55
Total, class 5th	9	13	11	33	12	22	6	40	20	11	18	49	13	12	5	30	152
Grand total	378	390	396	1164	453	450	634	1537	734	542	595	1871	392	333	291	1016	5588

APPENDIX.

BY-LAW CONCERNING HEALTH.

(*Passed* 21*st. December*, 1876.)

At an adjourned monthly meeting of the Council of the City of Montreal, held in the City Hall of the said city, this twenty-first day of December, in the year of Our Lord one thousand eight hundred and seventy-six, under and by virtue of the Act of the Provincial Legislature, 37 Victoria, chapter 51, in the manner and after the observance of all the formalities prescribed in and by the said act, at which said meeting not less than two thirds of the members of the Council, to wit, the following members thereof, are present, viz: His Worship the Mayor, Wm. H. Hingston, Esq., Aldermen Nelson, David, Grenier, Rivard, McShane, Brunet, McCord, Wilson, Stephens, Hood, Mullin, McCambridge, Holland, Childs, Foster, McLaren, Roy, Robert, Clendinneng, Mercer, Gauthier.

It is ordained and enacted by the said Council, and the said Council do hereby ordain and enact, as follows:

Sec. 1.—A Board of Health is hereby established and constituted in and for the said City of Montreal.

Sec. 2.—The said Board shall consist, at all times, of the Mayor of the City, *ex-officio* and nine aldermen of the said city and of qualified citizens outside of the said Council, not to exceed nine; and the said Board so constituted shall exercise all the privileges, power and authority, in relation to the duties of the said Board, and all orders to be made, and all things to be done by the said Board, as are possessed by the said Council in reference to health. (*As amended by by-law No.* 106.)

Sec. 3.—The said Council shall immediately after the passing of this By-law, or so soon thereafter as possible appoint the members to compose the said Board, which shall be held to be one of the standing Committees of the said Council.

Sec. 4.—The members of the said Board to be appointed as aforesaid shall continue in office until the appointment of their successors in the month of March next.

Sec. 5.—In the appointment of the Board of Health to be made in the month of March next year, and in the month of March in

every succeeding year, the said Council may, if they see fit, alter the constitution of the said Board, and appoint thereon such number of the members of the said Council and of Citizens outside the City Council, or such number of members of the said Council alone irrespective of outsiders, as the said Council may deem expedient. (*As amended by sec.* 2 *of by-law No.* 114.)

Sec. 6.—The Chairman and Vice-Chairman of the said Board shall be appointed by the said Council ; and five members of the said Board shall at all times constitute a quorum to hold meetings and transact any businsss relating to public health.

Sec. 7.—The members of the said Board shall not be entitled to receive any pay or remuneration whatsoever for their services.

Sec. 8.—The said Board of Health is hereby empowered to appoint such health officers as may be deemed necessary for superintending or carrying out the orders of the Board ;— to adopt and enforce all sanitary measures relating to the cleanliness of the city ;—to prevent the entry into the said city of all strangers or emigrants, and all baggage belonging to them, when the appearance of either indicates danger to the public health ; — to adopt prompt measures to prevent the spread of any epidemic, contagious or infectious disease ;—to forbid and prevent all communication between any part of the city so infected, except by means of physicians, nurses or messengers, to carry the necessary advice, medecines and provisions to the afflicted ;— to cause any avenue, street or passage to be fenced or enclosed, and to adopt suitable measures for preventing persons from going to or coming from any part of the city so enclosed ; – to put itself in communication and establish in concert with the proper authorities or private institutions and individuals having charge of emigrants on their landing and passage through the city, the Harbour Commissioners and the Board of Works, a place of refuge or hospital in the city for the relief of poor or sickly emigrants ;— to provide the means of purifying, draining and cleansing of all streets, buildings and premises in all ways that may be deemed requisite to preserve the health of theCity.

Sec. 9.—The Health Officers are hereby authorized to enter, at all hours, any house or building, or any yard, shed, vacant lot or other premises and to order the removal therefrom of any offensive matter found therein, and to enforce such cleaning, draining or purifying as may be deemed necessary for the protection of the public health ; — to isolate patients laboring under small pox, typhoid fever, dyphtheria or any other dangerous or contagious disease whensoever the said officers shall deem it necessary for the welfare of such patient, or of the public ; — to cause any person who shall have died of any of the said diseases to be buried within a short delay ; and generally to execute such orders as the said Board may from time to time issue.

Sec. 10.—Such officers may, under the written authority of the Medical Health Officer, command the removal of persons lodging in any boarding house wherein the rooms are so over crowded and filthy as to be unwholesome and dangerous to public health ; and also destroy any bedding, wearing apparel or other article infected with any of the contagious diseases aforesaid, which may be found in any house, building or place in the said City : Provided that the owner or owners of the linen or article so destroyed shall receive such indemnity as he or they may in the opinion of the said officers, be resonably entitled to :— Provided also that the Board of Health may, if they see fit, provide a proper place, with the necessary staff and apparatus, for disinfecting free of charge such bedding, wearing apparel or other article as may have become infectious, and under such regulations as the said Board may adopt.

Sec. 11.—Whenever, from time to time, the Statute of the then Provincial Parliament passed in 12th year of the reign of Her Majesty Queen Victoria being chapter the 8th, and intituled " An act to make provision for the preservation of the public health in certain emergencies, " shall by proclamation of the Lieutenant Governor of the Province, be declared to be in force, and whilst it shall so continue to be, so as to require the nomination and appointment for the City of Montreal of a Local Board of Health, the Board of Health hereby constituted shall become and be, and the several and respective members thereof shall act as " The Local Board of Health for the City of Montreal, " and shall carry out and enforce the directions and regulations of the Central Board of Health, and exercise all the powers of health officers conferred by that statute on the members of the Local Board of Health.

BURIALS AND MORTALITY RETURNS.

Sec. 12.— No person shall dig or open any grave or cause any grave to be dug or opened in any burying ground, cemetery, church or church yard, or in any other part or place in the said City ; or shall inter or deposit, or cause or procure to be interred or deposited, in any such grave, or in any vault or tomb, any dead body within the said City : provided however, that nothing therein contained shall prevent the internment in Roman Catholic Churches in the said City, of the bodies of the priests and nuns of the said Roman Catholic Church.

Sec. 13.—The superintendent of every cemetery in the adjoining municipalities shall make and deliver to the said Board of Health, regular weekly returns of all persons buried in such cemetery ; and the said returns shall be according to the form to be from time to time decided upon by the said Board of Health.

Sec. 14.—In all cases of death occurring in the said city, the attending physician, or in case no physician shall have attended the diseased, a member or friend of the family of the deceased shall before the internment of the deceased, furnish to such superintendent, free of charge, a certificate signed by such physician, member or friend, stating the name, age, birth place, date, place of death and the nature of the disease by which the deceased came to death ; and no such superintendent shall inter or permit to be interred any dead body without having received such certificate.

Sec. 15.—The Board of Health is hereby empowered to provide such other means of obtaining correct and reliable statements or information in reference to the mortality and its causes in the said city as it may from time to time deem necessary.

ADULTERATION OF FOOD.

Sec. 16.—Whoever adulterates any substance intended for food or beverage, with any substance injurious to health, shall be liable to the penalty hereinafter provided : and the articles so adulterated shall be forfeited and destroyed under the direction of the Board of Health ; and whoever shall be convicted for the third time, under this section, shall be liable to an imprisonment, the term of which is hereby left to the discretion of the Recorder's Court, provided it be not for a longer term than two calendar months. The name and place of business of every person from whom any article or property shall be confiscated under this section shall be published in at least two city newspapers.

Sec. 17.—No person shall sell nor have in his possession for sale any unwholesome meat, poultry, game, eggs, fish, unripe or decayed fruit or vegetable that might in any way be injurious to health ; and any member or officer of the Board of Health is hereby authorized to seize and confiscate all such meat, poultry, game, eggs, fish, fruit or vegetable ; the entire costs of removing any of such deleterious articles as may be found in any premises, to be paid by the delinquent in addition to the penalty provided in section 56 of this by-law.

MILK.

Sec. 18.—The Board of Health shall appoint a milk inspector, whose duty it shall be to visit all dairies and milk depots, to enter any place or premises where milk is stored or kept for sale and to stop and inspect all vehicles used in the conveyance of milk ; and whenever he has reason to believe any milk found therein is adulterated, or on receiving instruction from the Board of Health to that effect, he shall take specimens thereof and cause the same to be analysed or otherwise satisfactorily tested, and he shall preserve

a certificate of the result of said analysis or test made by the analyser or tester, to serve as evidence in the prosecution.

(Repealed by sec. 1 of By-law No 187.)

Sec. 19.—No person shall sell milk in this city, unless such person shall have obtained from the said inspector a license to that effect and paid to the chief of Police the sum of one dollar to be accounted for to the City Treasurer, which said license shall be renewed every year on or before the thirtieth day of May, on payment of a like sum of one dollar.

(Amended by sec. 3 of By-law No 187.)

Sec. 20.—It shall be duty of the said inspector to issue licenses as before ordained : he shall keep a register of the number of the licenses, the names and residences of the parties receiving them, and shall report for suit before the Recorder's Court any cases of infraction of this by-law.

Sec. 21.—All measures, cans or other vessels used in the sale of milk shall be stamped according to law.

Sec. 22.—No person shall sell milk produced from cows fed upon any substance deleterious to the quality of milk, nor shall any person adulterate by water or any foreign substance milk to be sold in this city ; or sell or cause to be sold or have in his possession for sale any adulterated, unwholesome, or diluted milk ; and any person in the employment of another who shall violate any provision of this section shall be held guilty with the principal and suffer the same penalty.

(Repealed by sec. 2 of By law No 187.)

Sec. 23.—No person shall sell or offer for sale or have in possession for sale as pure milk, any milk from which the cream or any part thereof has been removed.

SOAP AND CANDLE FACTORIES.

Sec. 24.—The erection, use or working, within the limits of the said city, of soap and candle factories, and factories of a like nature, wherein any animal or other offensive matter is rendered, or prepared for manufacture, is hereby prohibited under the penalty hereinafter provided.

The said Council shall give a notice, to be signed by the City Clerk, to any person carrying on any of the above named factories or establishments in the said City, either personally or to a reasonable person of such establishment, to the effect that such person shall abandon and relinquish the use or working of such factory or establishment ; and six months after such notice shall have been given, the use or working of such factory or establishment shall be abandoned and relinquished under a fine of one hundred dollars for the first offence, and in default of immediate payment of such fine and costs by the offender, an imprisonment not

exceeding two calendar months, unless the fine and costs shall have been paid before the expiration of this delay ; and a further fine of fifty dollars per day is imposed and shall be paid for each and every day the said offender shall continue to carry on such factory or establishment in violation of this By-law ; and in the case where, after such notice shall have been given, the said factory or establishment is disposed of by sale or otherwise in favor of other parties, such disposal of the property shall not have the effect of invalidating such notice which shall remain in full force against any subsequent purchaser or holder ; and this section shall not be held to exempt in any way the owner of such factory or establishment, from the operation of any of the by-laws which may be enforced by the Board of Health of the said City." (*As amended by By-law No.* 135.)

Sec. 25 —The owner or occupant of any tallow chandler shop, soap or candle factory, tannery, stable, chemical works, glue factory, bone factory or any other unwholesome or nauseous house or place whatsoever shall cleanse the same, from time to time, as often and in such manner as may be required by the Board of Health.

DWELLING-HOUSES AND DRAINS

Sec. 26.— Every person who shall build, rebuild or alter any house or building of any description within the said city shall give to the Board of Health at the health office, written notice thereof, together with a plan or description showing the following particulars, that is to say : the level or intended level of the lot, yard or court yard, of the cellars or lowest floor, the fall, material, form, construction and situation of the drainage of, or in connection with such house or its appurtenances, and the means of ventilation proposed to be introduced in the same ; and also the outfall or outlet of every such drain, and the size, form, situation and construction of the privies, water closet and cess-pools, the sinks, waste or other pipes to be constructed or used for the drainage of, or in connection with such house or building ; and no such drain, privy, water-closet, sink, waste or other pipe, or cesspool, shall be built, constructed, or used or any means of ventilation introduced, until the particulars so required to be shown have been approved of by the said Board, unless the said Board does not signify its approval or disapproval within forty-eight hours after the receipt at the said office of the aforesaid notice and particulars ; and furthermore no such cellar, drain, system or manner of ventilation, privy, water-closet, cesspool, sink, waste or other pipe, or any of the appurtenances thereof shall be closed or covered up from view until a certificate be furnished by the Health Officer that such cellar, drain system or manner of ventilation, privy, water-closet, cesspool, sink, waste or other pipe and all of the

appurtenances thereof have been approved of by the Board of Health.

Sec. 27.—Whenever in the opinion of the Health Officer a lot of land cannot be rendered healthy by drainage, the said lot of land shall not be built upon until the Board of Health is satisfied that efficient means have been taken to render the said lot healthy.

Sec. 28.—Whenever it shall be certified to the Board of Health by one of the health officers, that any building, or part thereof, is unfit for human habitation, by reason of its being so infected with disease as likely to cause sickness among the occupants, or that, by reason of its filthy condition its want of repair or its defect in ventilation or drainage, it has become dangerous to health, the said Board of Health may issue an order and cause the same to be affixed conspicuously on the building and to be served upon the owner, agent or lessee, requiring all persons therein to vacate such building for the reasons to be stated in the said order: and such building or part thereof shall, within such period as shall be assigned by the said Board of Health, be vacated.

Sec. 29.—Any member or officer of the Board of Health shall have power to ascertain whether, in or upon any building, hotel, house, lodging house, or dwelling, now or hereafter to be erected in the city of Montreal, or on any lot of ground or premises in the said city, the ventilation, drainage, closets, privies, trapping of the waste pipes and sinks, and the condition of the cellars and any other arrangement on which health depends, are in such a state as not to be prejudicial to the health of the inmates; and if not found in such sanitary condition, according to the judgment of the said Board of Health, the said Board shall have power to order the owner of such building or premises to make such work or repairs, as in their judgment may be deemed necessary, and to assign the period within which such work or repairs shall be done.

(*Sec. 3 of by-law No.* 114.—*The power and authority conferreh in the said By-law No.* 105 *upon the Board of Health and the Healtd Officer as regards the construction, repairing or maintenance of drains shall henceforth be exercised and carried out by the Road Committee of the said Council and the City Surveyor, any thing contained in the said By-law to the contrary notwithstanding.*)

Sec. 30.—Whenever any existing private drain shall have been proved to the satisfaction of the health officers to be injurious to health by reason of its construction or condition, the said Board of Health is hereby empowered to order that the said drain be taken up and reconstructed of such material, size and with such fall and in such direction as the said Board of Health may determine upon; and thereupon, within eight days after notice shall have been given to the owner of the said drain or occupant of the property through which said private drain passes, the said owner shall cause the said drain to be constructed according to

the resolution of the said Board of Health, and failing so to do, the said owner shall incur the penalty provided in Section 56 of this by-law.

Sec. 31.—No person shall allow steam or any injurious substance to be sent into any public drain in the said city.

Sec. 32.—It shall be the special duty of the members and officers of the Board of Health to inspect and inquire into the sanitary condition of all colleges or schools both public and private, and all appurtenances thereto; they shall examine the ventilation of such schools during the hours of instructien and the drainage and ventillation of the offices connected therewith; and whenever the sanitary condition in these or other respects, be found defective, the Board of Health shall order the Commissioners, trustees or others having control over such colleges or schools, or the proprietor, lessee or occupant of the said schools, to remedy the defects to the satisfaction of the Board of Health within such delay as the Board may assign.

Sec. 33.—The Board of Health shall exercise the same powers in reference to factories, work-shops, public-halls and meeting-rooms, dormitories and all other places where numbers of persons are brought together.

Sec. 34.—No house or tenement, or any portion thereof shall be used as a place of storage for garbage or refuse matter or any article detrimental to health, nor shall any horse, cow, calf, pig, sheep, goat or fowl be kept in such house or tenement.

VACCINATION AND CONTAGIOUS DISEASES.

Sec. 35.—The Board of Health shall appoint one or more places in the city, as in their judgment may be deemed necessary, for the purpose of vaccination. and shall take effectual means for giving from time to time to all persons resident in the city due notice of the days and hours and place or places at which the medical officer or such other medical practitioner as may be appointed for such purpose, will attend to vaccinate all persons who may then and there appear, and also of the days and hours at which such medical man will attend to inspect the progress of such vaccination in the persons so vaccinated.

Sec. 36.—A register shall be kept in such office, or each of such offices for the purpose of recordering in an alphabetical order the names of each person vaccinated, date of such vaccination, age, residence, etc.

Sec. 37.—Every physician, who shall have any patient within the city limits, sick with small-pox, typhoid fever, dyphtheria or other dangerous infectious disease, shall report the same to the said Board within the space of twenty-four hours, together with the name of such patient, and the street and the number of the house where such patient is treated.

Sec. 38.—The keeper of any hotel, boarding or public house, or occupants of any dwelling house or other building in the said y, any inmate whereof shall be sick with small-pox, typhoid er, dyphtheria or other dangerons infectious dicease, shall hin the space of twenty-four hours after the said disease shall e made its appearance, report the same to the Board of Health.

Sec. 39 —When the Board of Health or its medical officers are pinion on the certificate of their medical officer of health or of other legally qualified medical practitioner, that the cleansing the disinfecting of any house or part thereof, and of any icles therein, likely to retain infection, would tend to prevent or ck infectious disease, it shall be the duty of such authority to e notice in writing to the occupier of such house or part thereof uiring him to cleanse and disinfect such house or part thereof l articles within a time specified in such notice.

Sec. 40.—If the person to whom notice is so given fails to com- therewith he shall be liable to the penalty hereinafter men- ned for each and every day during which he makes default; l the medical officer of the Board shall cause such house or part reof and articles to be cleansed and disinfected, and may recover expenses incurred from the occupier in default in a summary anner.

Sec. 41.—Where the occupier of any such house or part thereof from poverty or otherwise unable in the opinion of the medical icer of the Board of Health effectually to carry out the require- nts of this section, such authority may, without enforcing such uirements on such owner or occupier, with his consent, cleanse d disinfect such house or part thereof and articles and defray e expenses thereof.

Sec. 42.—Any person who is suffering from any dangerous ectious disorder, and is without proper lodging or accom- dation, or lodged in a room occupied by more than one family, is on board any ship or vessel, or in any hotel or lodging house, y be removed to an hospital provided for that purpose, on a tificate signed by the medical officer of the Board of Health or a legally qualified medical practitioner, at the cost of the Board Health.

Sec. 43 —Any person who—

1. While suffering from any dangerous infectious disorder, wil- ly exposes himself without proper precautions against spreading said disorder, in any street, public place, shop, inn, or public nveyance, or enters any public conveyance without previously tifying to the owner or conductor thereof that he is so suffer- ; or

2. Being in charge of any person so suffering so exposes such fferer; or

3. Gives, lends, sells, transmits or expenses, without previous

disinfection, any bedding, clothing, rags, or other things which have been exposed to infection from any such disorder ;

4. And a person who while suffering from any such disorder, enters any public conveyance, without previously notifying to the owner or driver that he is so suffering, shall in addition be ordered by the court to pay such owner or driver the amount of any loss and expense they may incur in carrying into effect the provisions of this by-law with respect to disinfection of the conveyance ; provided that no proceedings shall be taken against persons transmiting with proper precautions any bedding, clothing, rags or other things for the purpose of having the same disinfected.

Sec. 44.—Every owner or driver of a public conveyance shall immediately provide for the disinfection of such conveyance, after it has to his knowledge conveyed any person suffering under any contagious disorder, failing which he shall be liable to the penalty hereinafter mentioned for each day he neglects such disinfection. Provided however that no such owner or driver shall be required to convey any such person suffering from any such dangerous infectious disorder, until he has been paid a sum sufficient to cover any loss or expense incurred by him in carrying out the provisions of this by-law.

Sec. 45.—Any person bringing or conveying into the city any person suffering from a dangerous infectious disorder, or the dead body of any person who may have died from any such dangerous infectious disorder without the written permission of the Board of Health, will be liable to a penalty of forty dollars—one half of this penalty to be paid to the informer or informers.

Sec. 46.—Any person who knowingly lots for hire any house, room or part of a house, in which any person has been suffering from any dangerous infectious disorder, without having such house, room or part of a house, and all articles therein liable to retain infection, disinfected to the satisfaction of the medical officer of the Board, shall be liable to the extreme of a fine of forty dollars.

For the purposes of this section the keeper of an inn or boarding or lodging house shall be deemed to let for hire part of a house to any person admitted as guest into such inn, boarding house or lodging house.

Sec. 47.—Any person letting for hire or showing for the purpose of letting for hire any house or part of a house, who on being questioned by any person negociating for the hire of such house or part of a house as to the fact of there being or within one month in summer and two months in winter previously having been therein any person suffering from a dangerous infectious disorder, knowingly makes a false answer to such question shall be liable to a fine not exceeding forty dollars.

Sec. 48.—When any person shall die in the said city with any dangerous infectious disease aforesaid, it shall be the duty of the

person having such dead body in charge or under his control to cause the said body to be immediately enclosed in a tight coffin, box or casket along with proper disinfectants and kept so enclosed until it shall be buried, and also to cause such dead body to be buried within such time as may be directed by the health officer.

Sec. 49.—The Board of Health shall take such measures as in its judgment may be necessary to warn neighbours and passers by against infection in any particular house or district.

Sec. 50.—No person shall knowingly make, procure or cause to be made any clothing or wearing apparel of any kind in any house wherein any person shall be knowingly sick with any dangerous infectious disease as aforesaid, and no person shall expose for sale any clothing or wearing apparel which shall have been made in any house or building in which there shall have been at any time when said clothing was made, any person sick or infected with any such disease.

Sec. 51.—No parent or guardian shall permit any pupil to attend any school in the City nor shall any Commissioners, Trustees or other having control over such schools permit any pupil to attend any school in the City, when such pupil is affected with or has been exposed to any contagious disease, until all danger of contagions from any such disease or exposure shall have passed to the satisfaction of the Health Officer.

Sec. 52—Every slaughter house shall have affixed thereto on the public street in a conspicuous place, a sign with letters thereon at least four inches in size having the words "public slaughter house" thereon.

Sec. 53.—No slaughtering shall be allowed elsewhere than in a public slaughter house so distinguished.

Sec. 54.—The Board of Health constituted by the present by-law is hereby substituted to all intents and purposes for the Health Committee whose functions shall cease from and after the first day of March next.

Sec. 55.—The said Board of Health shall submit annually to the Council an appropriation sheet, in which shall be stated in detail the financial requirements of the health department, and the expenditure of said Board shall be strictly kept within the limits of such appropriation; and no sum of money so obtained shall be applied to purposes other than the purposes specified in said appropriation sheet, except by a vote of council. And all disbursements upon warrants drawn against such appropriation shall be made through the City Treasurer. And all salaried officers or officials of the health department shall he paid in person at the City Treasurer's office, upon duly certified warrants.— And every member of the said Board shall be personally responsible for any money spent in excess of the appropriation or diverted from its legitimate purpose

without the express vote of the City Council and in the same manner and to the same extent as Aldermen are now liable by law.

Sec. 56— Any person violating or contrevening any of the provisions of the present by-law, for which a penalty is not already hereinbefore provided, or disobeying the orders of the said Board of Health, or of any member of the said Board or of any health officer as aforesaid, or refusing to comply with such orders, or opposing or obstructing the same in any manner whatsoever or preventing any member of the said Board or any health officer as aforesaid from entering into any house, or on any premises or assaulting them in the execution of the powers and duties imposed upon them, shall be liable to a fine, and in default of immediate payment of the said fine and costs to an imprisonment to be fixed by the Recorder's Court, at its discretion ; and any person who shall violate the present by-law shall be liable to the penalty mentioned in this section for each and every day that such violation or contravention shall last, which shall be held to be a distinct and separate offence, for each and every day as aforesaid ; but such fine shall not exceed forty dollars for each and every offence as aforesaid, and the imprisonment shall not be for a longer period than two calendar months also for each and every offence as aforesaid ; the said imprisonment however, to cease at any time before the expiration of the term fixed by the said Recorder's Court upon payment of the said fine and costs.

Sec. 57.—Any by-law or part of a by-law contrary to or inconsistent with any of the provisions of this by-law is hereby repealed.

Sec. 58.—The power conferred upon the Board of Health and health officers to be appointed as aforesaid in virtue of the present by-law shall until such appointment be made, be enjoyed and exercised by the present Board of Health and Health officers.

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REPORT

ON THE

SANITARY STATE

OF THE

CITY OF MONTREAL

ALSO

AN ACCOUNT OF THE OPERATIONS OF THE BOARD OF HEALTH
AND THE VITAL STATISTICS

FOR THE YEAR 1890

BY

LOUIS LABERGE

Medical Health Officer.

STATE HISTORICAL SOCIETY
NSIN
MAD WIS.

Montreal:
EUSÈBE SENÉCAL & FILS, PRINTERS
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1891

STATE HISTORICAL SOCIETY
OF WISCONSIN
MADISON, WIS.

BOARD OF HEALTH.

Members appointed by the City Council in the month of March 1890.

ALDERMEN : A. S. HAMELIN, *Chairman.*

H. SHOREY,

D. TANSEY,

W. CLENDINNENG,

THOMAS GAUTHIER,

DR. A. GERMAIN,

JOS. BRUNET.

State Historical Society
OF WISCONSIN
MADISON - WIS.

STAFF OF HEALTH DEPARTMENT.

Doctor Louis LABERGE, *Medical Health Officer.*

ISAIAH C. RADFORD, *Sanitary Inspector.*

J. IGNATIUS FLYNN, *Secretary.* V. H. LEFEBVRE, *Accountant.*

Vaccinating Staff.

Doctors : J. E. NOLIN, H. DAZÉ, H. W. COYLE.

Milk Inspector.

C. DROUIN, V. S.

Clerks.

T. PLAMONDON, P. R. LABELLE, J. N. HAMELIN,
J. E. CODERRE. JULES CRÉPEAU, *Message boy.*

Sanitary Police.

H. WARD, *Sergeant*, resigned and replaced on 18th September by JOSEPH E. DUROCHER ; J. B. CARDINAL. *special ;* TERENCE BUTLER, *special ;* MÉDÉRIC CHAGNON, W. MATHIEU, J. FRANCIS QUINN, ADOLPHE CATELLIER, JACQUES SÉVIGNY, PIERRE NADEAU, FRANCIS O'REILLY, JOSEPH N. PROULX, THOMAS KANE and LOUIS LAMARRE

A. MILETTE, *Disinfecting officer.*

Meat Inspectors.

City. *Abattoirs.*

GEO. FULLUM, A. HAMALL. B. MCSHANE, A. BAYARD.

Guardians of the Public Baths.

St. Helen's Island. *Wellington,* *Hochelaga.*
GEORGE LESSARD, JAMES GAFFNEY, O. BROUILLETTE.

To the Chairman and Members of the Board of Health.

GENTLEMEN,

I have the honor to present to you, herewith, my sixth annual report on the Sanitary state of the city of Montreal, namely, that for 1890.

From the very beginning of the year, your Board devoted serious attention to the question of the amendments to the charter which the sanitary interests of the city demanded. Most of the needed amendments had already been submitted to the Committee on the Charter in a report transmitted to that body on the 29th December, 1887 ; unhappily, however, without result. The amendments were intended to confer upon the city the following powers : To collect the cost of works required in the interests of public health in the case of absent and non-resident proprietors; to regulate plumbing work and private drains ; to prohibit privies in streets provided with public sewers ; to compel the slaughter of animals affected with glanders or other incurable contagious diseases ; to require the registration of the births of unbaptized children ; to cause the inspection of cow stables, dairies and dependencies belonging to milkmen licensed to sell milk in the city ; to authorize none but licensed physicians to sign certificates of death ; to regulate stables, both public and private, their drainage and ventilation.

This year, the adoption of the by-law (No. 187) to regulate the sale of milk was urged upon the Council and it was sanctioned on the 23rd of June last. This law, which is given *in extenso* at page 33, requires that normal milk shall contain 3 per cent of butter fat, 12 per cent, of total solids and shall have a density of from 1029 to 1031 at a temperature of 60° Fah.

Other sanitary regulations prepared by your Board await only the sanction of Council to make them law. They are : A by-law to regulate plumbing work and private drains ; a by-law to extend the powers of the medical Health Officer ; a by-law to amend sections 16 and 29 of By-law No 105, so as to render the agent responsible as well as the proprietor ; a by-law to regulate the carting of manure and house offal.

Your Board, by resolution, desired the Road Committee to do away with the " dead ends " in connection with the public sewers, and removed an abuse by prohibiting the employment of bricks from old sewers in the building or repairing of houses. Also, you urged upon the school commissioners the necessity of rendering the teaching of hygiene obligatory in the public schools.

A request made to Council for permission to establish *chalets, dits de nécessité*, (water-closets) in public places throughout the city, having been submitted to your Board, the scheme was received with favor and a report was made affirming their usefulness from a sanitary point of view.

Through your endeavours, gentlemen, Hochelaga ward has been provided with an excellent public bath, the advantages of which have already been so much appreciated that there is every reason to hope that public baths will be built ere long to meet the wants of other parts of the city.

Certain special complaints having been made against the scavenger for creating a nuisance by depositing offal, etc., in the vicinity of Montana street, your Board was obliged to investigate, the same. A visit to the locality complained of resulted in a report to Coucil which constituded an answer to the complaint.

STAFF OF THE HEALTH DEPARTMENT.

After the epidemic of 1885-6, the ordinary personnel of the Department was increased in order to render officient the more elaborate and extensive system which experience pointed out as being necessary for the carrying into effect of the sanitary measures required to protect the health of the city This strengthening of the organization which was certainly a laudable and progressive measure, was, nevertheless, considered by some people as undesirable for reasons never clearly stated, and which, at any rate, so far as they could be understood, presented nothing entitling them to be qualified as very enlightened. However, as, from time to time, the criticisms of those people were renewed, it was thought advisable by the Board to meet them by an enquiry into the working of the Department as well as into the nature of the respective duties and work of the different officers, and a pronouncement thereon. This task was undertaken three years ago by a committee appointed by the Board of Health ; and the conclusion arrived at was that the vast amount of work which the carrying out of the sanitary measures entailed, demanded the entire time and energies of the staff.

Last year again, it was represented to the Board that there were people who still entertained doubts as to the impossibility of reducing the staff by at least one. Once more the Board appointed a committee to investigate the working of the Department and settle the question definitely, one way or another ; and the results of this committee's labors, as reported to the Board at the beginning of the present year, practically amounted to the complete endorsation of the conclusions arrived at by the first committee.

MORTALITY.

There were 5365 deaths in Montreal during the yeer 1890, giving a

rate of 24.80 per 1000 of the population. Were it not for the high mortality in the new wards (St. Jean-Baptiste and St. Gabriel) our death rate would be only 22.93 per 1000. However, as it is, the death rate is almost 5.00 per 1000 (4.99) lower than the average for the preceding 17 years (exclusive of 1885), and 1.80 per 1000 lower than in 1889.

The above calculations are based upon a population estimated at 216,300. This figure is believed to be far below the actual member of inhabitants; but, it is based upon the rate of natural increase obtained by a study of the census returns from 1851 to 1881; and it has been considered wiser to be below the mark rather than hasard the basing of our calculations upon estimates more or less correct, but not offering the guarantees of the census returns for 1891, which have not yet been published and for which we could not wait.

Zymotic diseases are those in which the health authorities are most concerned, as this class contains the principal causes of death controlable by sanitary measures, and a diminution in the number of victims caused by them especially when it is a steady falling off year by year, is certainly the best indication possible of the success of the efforts of any health department. It is therefore with no small pleasure that we draw attention to the fact that the mortality from zymotic causes during the past year, compared with that of 1889, shows a decrease of 1.25 per 1000 of the population. In 1889, the decrease was .72 per 1000 as compared with the preceding year; and in the latter year the diminution was 1.23 as compared with 1887.

COMPARATIVE STATEMENT OF THE DEATH-RATE IN MONTREAL AND OTHER CITIES FOR 1890.

The mortality in Montreal was 2.40 per 1000 less than in Newark, 1.16 less than in Jersey city, N. J. and 3.61 less than in New-Orleans; but 2.10 greater than in Boston (the rate this year was unusually low), and 1.59 greater than in Brooklyn.

Our mortality was 1.00 per 1000 less than in Bolton England, 5.80 less than in Manchester, 2 60 less than in Preston, 0.10 less than in Sheffield, 1.5 less than in Newcastle-on Tyne, 0.5 less than in Glasgow, Scotland; 1.6 less than in Dublin, Ireland; but, 1.2 higher than in Liverpool and 4.5 higher in London, England.

Our death-rate was 3.6 per 1000 lower than in St Petersburgh and 15.5 lower than in Moscow, Russia; 3.4 lower than in Breslau, Prussia; 5.2 lower than in Munich, Bavaria; 3.4 lower than in Prague, Bohemia; 6.6 lower than in Buda-Pesth, Hungary; 3.7 lower than in Trieste, Austria; and 4.5 lower than in Venice, Italy; but, it was 0.30 higher than in Paris, France; 0.20 higher than in

Vienna, Austria; 1.4 higher than in Rome, Italy; 3.2higher than in Berlin, Prussia; and 3.3 higher than in Brussels, Belgium.

We have not been able to obtain the birth-rates of all the above cities; but those we have, compared with our birth-rate based upon figures which, it is well known are most incomplete, show how much superior our rate is, and consequently that we must be careful not to take the results of the comparison of our death-rate with those of other cities as indicating in a greater or lesser degree the salubrity of Montreal, there not being probably a single city that approaches ours with respect to the birth-rate and the death-rate of a population being invariably augmented in the proportion that the infantile element bears to the whole.

The following figures show how much higher our birth-rate is than those of the cities named: 13.09 per 1000 higher than in Newark N.J;18.22 Jersey City N.J.; 8.69 Bolton, England 5.19 Manchester, 3.99 Preston, 7.89 Sheffield, 11.29 Liverpool, 10.99 London; 3.79 Glasgow, Scotland; 13.19 Dublin, Ireland, 14.39 Paris, France, 9.69 Berlin, 3.79 Breslau Prussia; 7.39 Vienna, Austria; 3.29 Buda-Pesth, Hungary; 11.19 Rome, Italy; 13.88 Venice; 13.09 Brussels.

BURIALS OUTSIDE THE CITY CEMETERIES AND DECLARATION OF DEATH TO THE HEALTH DEPARTMENT BEFORE REMOVAL OF BODY.

According to sec. 13 of the By-law concerning burials, the su perintendents of our cemeteries are required to obtain a certificat of death before allowing the interment of a body, and they a further obliged to report, weekly, the number of burials that ta place in their respective cemeteries.

The forms of certificate are supplied by the Health Departme

Previous to the present year, we had no means of knowin the deaths of persons interred outside the cemeteries, it being by chance that we became cognizaut of some of them. Yet absolutely necessary that we should have information of a deaths occurring in the city, not only of the fact but also cause; and this for three sound reasons, namely, to rend mortuary statistics complete, for the protection of public hea pecially in regard to the prevention of the spread of epiden contagious diseases) and to prevent the concealment of cri

The convention held by the authorities of the various railv year. decided not to convey over their roadsany dead body permit from the sanitary authorities attesting that the de not die of any contagious disease. In the case of persons contagious diseases and in the case of exhumed bodies, suggest that besides the permit required from the health for their conveyance, the medical officer of the municip

the body is to be transported should be previously notified and his consent to allow the entry of the body be obtained in writing. In this way the transportation of the body would be controlled at its departure and at its arrival at its destination.

The convention decided to firmly refuse the conveyance of the body of any person having succombed to Small-pox, Cholera, Leprosy, Typhus or Yellow Fever.

This year, the Department issued twenty-five transit permits.

SMALL-POX.

We rejoice to have to say that not a single case of small-pox occurred in our city during the past year, although two steamships sailing between Liverpool and Montreal had the misfortune to have each a case of the disease on Board on reaching this side of the Atlantic. Both cases were removed from the ships at the Quarantaine Station at Grosse Isle, and the vessels allowed to proceed to on their way after undergoing the process of disinfection.

The Health Department, notified in both instances through the kindness of the Provincial Board of Health,—communicated with the Harbour authorities signifying a desire to be notified of the arrival of the vessels in port, in order that they might be inspected before being allowed to enter the docks. But the first ship had been twelve hours at its quay before the Customs Office knew anything about it ; and the second one arrived without any quarantine certificate, it being only upon the faith of a telegram from the agent of the ship company stating that the vessel had been properly disinfected at quarantine, that the port officer thought proper to allow the steamer to take her station alongside the quay.

If this is the usual way of supervising the bills of health or quarantine certificates,it must be admitted that considerable reform is necessary ; and this state of things points strongly in favor of the appointment of an officer charged with the special duty of seeing that all vessels entering port, have proper papers from the Quarantine Station at Grosse Isle, and in the absence of such papers, of making personal inspection of the vessels and those on board.

Port Physician.

Ever since 1885, we have urged the need of a port physician as a necessary addition to the national quarantine system. Such a complement to the system is suggested by prudence as a final barrier against the introduction into this country of any contagion originating beyond the seas. This recommendation was never intended as a reflection upon the quarantine service at Grosse Isle; it was based simply upon the well known fact that the period of

cubation in certain contagious diseases is of longer duration
an the voyage across the Atlantic from England to Canada.
Notwithstanding the value of the quarantine system of both
countries, it is within the bounds of possibility that a steamer
coming from Europe might carry contagion with it which a compe-
tent medical inspection would discover. The authorities would
then be in a position to apply the necessary measures not only for
the protection of the city, but also for that of the entire country
to the west of us.

The Government authorities at Ottawa were interviewed upon
this subject some years ago, and thay stated that according to the
Federal Statutes which govern the Canadian Quarantine service,
our port is not recognized as a maritime port and that therefore
the appointment of such an officer was not within the Govern-
ment's jurisdiction: furthermore, that should the Government
appoint a port physician here Toronto, Hamilton, Kingston, Ot-
tawa and other cities might likewise demand one.

The importance of making such an appointment is so great that
in view of the refusal of the Ottawa authorities to act, our Provin-
cial Government should take the question into serious considera-
tion. The appointment would ensure the protection of the whole
of this part of the upper St. Lawrence from foreign contagion by
rendering the quarantine system complete.

It might be well to direct the attention of the governments to
sec. 6 of Stat. 35 Vic., chap., 27, which says: "The Governor in
" Council may appoint one or more medical officers at each of the
" principal harbours of the Dominion to board, visit and inspect
" vessels arriving in such harbour from sea and to perform such
" other duties and have such power as the Governor in Council
" may by any regulations direct."

While awaiting a decision upon this subject by either the Federal
or the Provincial Governments, it is but proper that we should de-
mand that every vessel whose destination is the port of Montreal
and which may have been found at Grosse Isle to be infected with
contagion or which may have come from a country where contagion
exists, should not be allowed to approach the land before the master
has submitted the necessary papers to the Customs Department,
attesting that the vessel may be allowed to take her berth at the
quay without danger to public health. Moreover, as it is prudent
that nothing should be neglected in so important a matter as the
protection of public health, a suggestion ought to be made to Cou
cil to the effect that the necessary inspection should be made b
the officers of the Health Department provided it were agreed th
their authority to do so would be recognized and that informat
would be given the Department immediatley before the arriva
the vessels. The expense attending such an inspection woul
amply compensated by the protection that would be thus affo

THE TEACHING OF HYGIENE IN SCHOOLS.

All practical sanitarians recognize the fact that a diffusion of a knowledge of the laws of health is a more powerful mens of securing the adoption of measures of sanitary reform than the severest legal enactments. It is necessary not only that those laws should be promulgated. but also that they should be observed if the population is to benefit by them. And how can we hope for their conscientious observance, unless the masses are convinced of their practical utility ? But, if all are agreed that the teaching of hygiene is necessary for the improvement of public health, it is not so with respect to the most expeditious and most certain meansof propagating a knowledge of that science. Instruction in schools.associations, journals and pamphlets, as well as public lectures, have had, in turn, their advocates. However, it must be admitted that although the teaching of hygiene in schools may not be reckoned among the most expeditious of the methods suggested, nevertheless it is the most certain means of achieving the desired end. At least the education and reform of the rising generation may thus be brought about.

The Board of Health, sensible of the advantages the population would derive from such teaching, adopted a resolution at a meeting, held on the 1st of May last, requesting the school commissioners to render the teaching of hygiene obligatory in the schools under their control. We do not know how far the commissioners have complied with the recommendation of the Board, but we trust that they will not delay giving strict instructions to have a suitable course of hygiene followed in every school.

Abattoirs.

The " Union des Abattoirs " is a joint stock company which has acquired the control of the Eastern and Western abattoirs. These establishments afford facilities to the butchers for the slaughter of their cattle according to a tariff of charges fixed by By-law No 128, passed by Council on the 10th October, 1881. In the beginning the company was anything but a success, and the operation of the abattoirs gave no satisfaction from a sanitary point of view, the offensive emanations from them having been the cause of numerons complaints from those residing in their neighbourhood, as well as, from passers-by. Butchers complained of the limited space accorded them for the exercise of their avocations, of the insufficiency of the water supply, of the uncleanly condition of the abattoirs and their dependencies due to the failure of the company to procure sufficient help, and, in particular, of the neglect to have the floor of the slaughtering department

cleaned sufficiently often, the result of such negligence being that the meat frequently came from the abattoirs in so dirty a condition as to interfere with its sale.

The inhabitants of localities situate at a distance from the Eastern abattoir, particularly those of Moreau street and vicinity, complained that when the wind came from the direction of that establishment, the smell was so offensive that they were obliged to seek refuge in their houses and keep the windows closed, even in the warmest weather. In the west end, the emanations from the abattoirs located there, were felt even so far as the municipality of St-Henri; and, on several occasions the municipality was forced to resort to the law courts to compel the company to take measures to abate this public nuisance.

It must, however, be said that the company seemed at all times disposed to do everything possible to perfect the sanitary condition of their establishments, so that the long delay in bringing about a thorough reform may be attributed to other causes than want of good will.

Among the improvements inaugurated within the past few years the improvement in the drainage deserves special mention. Since this work has been accomplished, no obstruction has occurred. The cost amounted to several hundred dollars and the settlement of the account was nearly being the cause of a difficulty between the company and the city. Since the water tax has been reduced, water has been used in greater abundance, and there are now no complaints respecting the supply. A cooling apparatus has been put up in the refrigerator. This system which is a new one, possesses advantages over ice as a means of refrigeration; the result of a want of sufficient ice is no longer to be dreaded. The offal of the slaughtering department passed into the cellar through openings in the flooring, is carted to the rendering department as fast as it is collected. The floor and walls of this cellar have been cemented and can be washed out readily. The manure is no longer deposited upon the land in the neighbourhood, it being now used as fuel. One of the most costly improvement adopted, and a most ingenious one, is that for the combustion of the gas from the dryers and rendering apparatus. It is composed of pipes which conduct the offensive gases to the furnaces, into the fire in which the gases are forced by fans moved by steam. All offensive emanations are thus prevented.

The cattle and hog markets at the western abattoir have been cleaned, and have been provided with suitable drains at a considerable cost.

Lime washing every week is one of the very efficacious means adopted to keep the buildings in a sanitary condition.

The company through the exertions of their superintendent have

succeeded in removing every cause of complaint ; it is to be hoped, however. that they will not rest satisfied with this, although our abattoirs even now are capable of rivaling many others, but that the company will bring the establishments to a point of perfection that will render them models for larger cities than ours.

CITY MEAT INSPECTION

SEIZURES AND CONFISCATIONS OF MEAT UNFIT FOR FOOD FOUND IN MARKETS AND PRIVATE BUTCHERS, STALLS DURING THE YEAR 1890.

A. HAMALL, GEO. FULLUM, } *Inspectors.*

	Beef.	Veal.	Quarters of veal.	Mutton.	Pork.	Fowl.	Pudding.	Livers.
January	20 lbs.	25 lbs.	5	.....	10 lbs.	5	.....	.....
February	.....	.....	1	.....	.....	.....	.....	.....
March	325 lbs.	117 lbs.	86	.....	.....	.....	.....	.....
April	.....	150 "	.....	2 legs	.....	38	15 lbs.	.....
May	10 lbs.	90 "	4	.....	8 lbs.	16	30 "	.....
June	50 "	86 "	.....	.....	18 "	12	30 "	.....
July	80 "	120 "	10	.....	35 "	24	.....	1
August	.....	207 "	6	4 legs	30 "	14	20 lbs.	.....
September	85 lbs.	24 "	.....	.....	39 "	15	.....	.....
October	185 "	.....	.....	52 lbs.	30 "	24	23 lbs.	1
	220 "	.....	.....	.....	20 "	12	.....	.....
		[illegible] lbs.	.....	.....	10 "	22	.....	.....
				[illegible]	200 lbs.	182	118 lbs.	2

MEAT INSPECTION

ANIMALS SLAUGHTERED AT THE WESTERN ABATTOIR.

B. McShane, Inspector.

1890	Cattle.	Sheep.	Calves.	Hogs.	Total.
January	1682	80	33	100	1895
February	1560	93	108	250	1711
March	1340	106	405	248	2099
April	1425	254	965	1940	4584
May	1076	520	1340	7046	9982
June	1102	1140	980	8280	11502
July	1246	1364	973	9685	13268
August	1371	2568	217	6527	10683
September	1764	2600	105	1085	5554
October	1460	2090	44	11077	14671
November	1539	2521	47	8598	12705
December	1332	1057	21	2525	4935
Total	16597	14373	5240	57161	93589

CONFISCATIONS AT THE WESTERN ABATTOIR DURING THE ..

MONTHS.	CATTLE.	SHEEP.	CALVES.	HOGS.	Animals not allowed to be slaughtered on account of being too young	TOTAL	REMARKS
January	3	4	3	13	.....	23	Bruised beef. " " " "
February	5	9	7	23	.....	44	
March	2	8	21	20	63 Calves	114	
April	1	.....	20	13	94 "	129	2 quarters bruised beef.
May	6	.....	24	29	.....	59	Bruised beef
June	*26	6	11	25	.....	68	*22 Burned at G. T. Market Pt. St. Charles.
July	*5	14	2	26	6 "	48	*Affected with general Tuberculasis; thrown into rendering tank.
August	4	5	4	16	.....	29	Bruised beef.
September	1		4	*22	.....	32	* 16 Killed accidentally.
October	5	27	8	32	.....	72	
November	13	8	9	14	.....	44	
December	3	10	6	12	.....	31	
Total	74	96	119	245	.....	697	

* by the Inspector.

MEAT INSPECTION.

ANIMALS SLAUGHTERED AT THE EASTERN ABATTOIR.

Alphonse Bayard, Inspector.

1890	Cattle.	Sheep.	Calves.	Hogs.
January	739	183	3	1280
February	740	87	41	1075
March	822	346	301	1355
April	977	516	1558	1525
May	1024	1655	2222	1569
June	895	2041	1439	575
July	2347	3982	1210	890
August	1683	6119	687	980
September	1470	5495	373	1580
October	1471	4496	247	1555
November	1517	3515	122	930
December	1836	4189	87	1470
Total	15539	42574	8290	14784

CONFISCATIONS AT THE EASTERN ABATTOIR DURING THE YEAR 1890.

1890	Cattle.	Sheep.	Calves.	Hogs.	Bruised Meat.
January	0	0	12	2	290 lbs.
February	0	0	17	3	325 "
March	0	0	30	1	225 "
April	0	0	48	2	530 "
May	1	1	41	0	690 "
June	2	2	21	4	975 "
July	0	4	18	2	230 "
August	2	4	20	1	525 "
September	0	4	14	0	340 "
October	0	1	14	0	250 "
November	1	3	10	4	210 "
December	1	3	17	4	1050 "
Total	7	22	262	22	5540 "

Of the seven cattle mentioned in the first column of the preceding table, four were seized on account of having died from accidental causes (1 asphyxia).

On the 3rd of May, an ox aged six years and weighing only 500 lbs., was confiscated for being affected with general Tuberculosis. On the 28th and 29th of June, two cows weighing respectively 1100 and 1200 lbs were confiscated for being in an advanced stage of Tuberculosis. These cattle were the property of three different butchers belonging to Montreal, who doubtless suffered the entire loss of the value of the animals as they had been brought in from the west.

Calves are almost invariably seized for being either still-born or too young. The laws prohibits their being sold for food before the age of three weeks.

As to the hogs, they were seized for being dead or dying before they could be slaughtered. They die of the fatigue endured in the railway cars; they are so packed that if the journey is long there are always some that die either on the road or upon reaching their destination.

The carcasses of all animals confiscated either in whole or in part, are cast into the Company's rendering tanks, in order to remove any temptation that those interested might feel to mix such meat with good meat and thus dispose of it.

As the number of confiscations are somewhat rare and as, in order to render the utilization of the waste matters from the slaughtering department a paying business, it would be necessary to obtain costly apparatus, the company has not thought proper to go to the expense. The profits the company at present obtain from this source are, therefore, so small that they have always refused any compensation for confiscated animals. Disagreeable discussions have been the result of this state of affairs, proprietors threatening to remove the carcasses of their animals if they received no compensation for them. Your Board ought to decide what rules should govern those confiscations in future.

Table showing the number of Remissions, Reductions and Delays granted in connection with the payment of water taxes, during the year 1890, on account of poverty and sickness.

Remission on account of				Reductions on account of				Delays on account of				Refusals.	
Poverty.	Sickness.	*Sanitary requirements.	Total.	Poverty.	Sickness.	*Sanitary requirements.	Total.	Poverty.	Sickness.	*Sanitary requirements.	Total.	Insufficient reasons.	Total.
76	16	.....	92	92	21	.....	113	17	29	57	103	49	49

Total	308	applications granted.
"	49	" refused.
"	105	" abandoned
	462	

* The term "sanitary requirements" refers to houses in which there are *water-closets.*

STOPPING THE WATER AS A MEANS OF ENFORCING THE PAYMENT OF THE WATER TAX.

It is unfortunate that the Council has not found some more humar means of enforcing the payment of the water tax than shutting off the water supply. The Health Department has for several years had the control of the applications for remissions and reductions of the water tax, which, as may be seen by the preceding table, is remitted on account of sickness or poverty or on account of sanitary requirements Through a spirit of concession and in order to give the Council time to modify their by-laws, "sanitary requirements" is understood to refer to houses in which there are water closets. But is it prudent for your Board to allow such a state of things to continue any longer? The position is certainly too illogical to be maintained. If the drainage of a dwelling house is out of order, a notice is at once sent to the proprietor to make the necessary repairs. Upon the one hand citizens are forced to protect themselves from the introduction of emanations from the house drains, while on the other hand we tolerate on the part of the water collection department the stopping of the water supply, exposing all the syphons to a loss of the water constituting their seal thus placing the sewers in direct communication with the houses. Such a state of affairs cannot fail before long to compromise public health, as well as your spirit of justice and independance. Let us hope that this irrational method of tax collection will be speedily abandoned.

PUBLIC BATHS.

The necessity of baths for the preservation of health is so thoroughly felt by everybody, that it is unnecessary to enlarge upon the subject from the point of view of public health. Their use is so essential a part of our customs, that proprietors building new houses for families in easy circumstances are obliged to provide bathing facilities for their tenants; for, among this class of people, the first question asked when renting houses is whether there are water-closets, and the second, whether there is a bath. Unhappily, in the houses of the working classes where bathing facilities are most needed they are not to be found. The putting in of baths in such dwellings is rendered impossible owing to the limited space, the buildings being constructed upon an economical plan in order that the rentals may be within the reach of those whose wages barely suffice for the maintenance of their families. The authorities of a city, therefore, having at heart the sanitary welfare of its population, should supply by means of free public baths, the want of baths in the houses of the working classes. Public baths of large capacity with running

water have a decided avantage over baths in houses, as the frequenters are enabled to practise swimming and to indulge in other exercises recommended in Hydrotherapy.

In this way, children are habituated to frequent bathing and are impressed with the utility of baths for the cultivation of cleanliness and health. We therefore strongly recommend the establishment of other public baths upon the plan of the one in Hochelaga ward, in localities convenient for the working classes, not only for the use of men, but also for women. The baths should not be looked upon solely as a means of cultivating cleanliness, but also as places where working people may indulge in recreation after their rude daily toil.

Up to this year, the Board having been able to obtain only the appropriation necessary for the maintenance of the baths hitherto existing, namely, that on the south western shore at St. Helen's Island and that in the Lachine Canal at Wellington bridge, no new baths could be built. This year, however, thanks to the energy of Alderman Gauthier, one of the representatives of Hochelaga ward, the Council adopted a report from the Board recommending the grant of a piece of corporation property in that ward for the site of a new bath. So soon as the report was adopted the Board gave out the contract for the building of the bath. It is 110 feet in length by 55 feet in width; the size of the basin, 85 feet long by 26 feet wide, with a depth divided into four equal sections varying from 3 feet to 5½ feet. This basin is of red pine with caulked and tarred joints. The capacity is sufficiently large to admit 100 bathers at a time. The water is introduced by a 4 inch pipe which forms a fountain in the centre of the basin thus constituting a shower bath. It requires about 85,000 gallons of water to fill the bath and the water is kept at a certain height by an overflow pipe at each corner. Although there is a constant flow of water yet the bath needs to be cleaned out once a week. It take forty-five minutes to empty and three hours to fill the bath. The average number of bathers daily during the month of July was 400.

It is to be hoped that the Council will see its way towards granting an appropriation for the construction of other such public baths, so greatly needed to meet the wants of the working classes. When the baths are more numerous, it will be easy to set apart certain hours of the day to allow women and girls to have the use of them; two hours during working time would be sufficient.

A few words relative to the other baths will complete these remarks. The Wellington bath is remarkably well patronized. The guardian declares that he does not exaggerate in stating that the average attendance is 850 daily. Bathing is a recognized amusement amongst the young men of St. Ann's ward; and the coal carters especially show their appreciation of the bath by

bathing there even twice a day. This bath is 100 feet long by 42 feet wide; the basin being 90 feet long by 25 wide, with a depth varying from 2 to 5 feet. It accommodates one hundred and seventy-five bathers at one time. During the intense heat of summer, as many as one thousand five hundred visit the bath in one day.

St. Helens' Island bath, is built upon the most suitable site that could be found for bathing purposes. It is a level sandy beach, with a slope sufficiently gentle to permit of going a considerable distance out into the stream without danger to those who do not know how to swim. The limits of the bath are fixed by means of a line of booms well joined together. It is an excellent place for learning to swim. The only disadvantage is the necessity of crossing in the ferry to reach it.

All the public baths are superintended by careful guardians paid by the Board. And although the number of frequenters is so large that it is not always possible to count them, no fatal accident has ever happened to them. The guardian of the Island bath has declared that on certain holidays several thousand persons have bathed there.

COMPLAINTS AGAINST THE SCAVENGING CONTRACTOR.

The numerous complaints made against the scavenging contractor for failing to comply with the terms of his contract, principally in respect to the neglect to incinerate a large portion of the scavenging matter which was deposited in many places within the city limits (contrary to law), thus creating permanent sources of danger to public health, — moved your Board to seek some means of dealing with the subject in an effective manner. The special complaints of Mr. E. L. de Bellefeuille, which he pressed by appearing twice before you, resulted in the adoption of the following resolution, on the 10th April, 1890:

"Resolved that a report be made to Council recommending "that the City take the scavenging service into its own hands at "the expiration of the present contract."

In accordance with this resolution the following report was drawn up and transmitted to Council in the usual way:—

TO THE CITY OF MONTREAL.

The Board of Health Respectfully report:

"That whereas numerous complaints have been, from time to "time, formulated before your Board by citizens against the "manner in which the scavenging service has been carried out;

"Whereas many reports have been submitted to your Board by "their officers in reference to the improper manner in which the "scavenging work has been done, the failure to incinerate the whole

" of the scavenging matter collected in the city, and the deposits
" of offal made by the scavengers within the city limits ;

" And whereas your Board has by *enquête*, as well as by the said
" reports of their officers, become convinced that the said scaveng-
" ing work is not being done in a proper and thorough manner
" and in accordance with the terms of the contract between the
" city and Mr William Mann, the contractor for the said work:

" They recommend that the city do take the scavenging service
" into its own hands and cause the same to be done under the
" direction of its own officers, at the expiration of the present
" contract between the city and the said Mr. William Mann."

" The whole nevertheless respectfully submitted."

BOARD ROOM, CITY HALL,
Montreal, 10th April, 1890.

PUBLIC VACCINATION—EASTERN DIVISION.

DR. J. E. NOLIN, VACCINATOR.

1890.	Number of visits.	Vaccinated by Dr Nolin.	Vaccinated by family physicians.	Sick.	Died.
January	698	66	4	98	14
February	687	94	35	121	26
March	873	125	10	166	25
April	839	147	31	189	42
May	1013	192	38	194	51
June	840	166	25	186	50
July	.....	.....	.....	.....	
August	.....	.....	.....	.....	
September	.....	.....	.....	.....	
October	966	138	18	160	47
November	920	165	9	168	38
December	700	121	14	112	26
	7536	1214	194	1396	319

Dr. Nolin visited the 1214 cases he had vaccinated, some days after the operation, and found that 1195of the total number were successful, leaving only 19 to be revaccinated. In this district the belief in the efficacy of vaccination is spreading daily. The cases in which vaccination is neglected are due to stubborness or ignorance rather than to any opposition to the principle of vaccination. Many fear the effects of the operation and put off the day of vaccination, thinking that their children are never in sufficiently good health to endure the effects of the operation. With time and the success which has invariably crowned the efforts of our public vaccination, this last prejudice will disappear as the others have done. Amongst persons who have acquired new ideas on the subject, we have had occasion to notice those who are anxious to have their children vaccinated before the period of dentition.

PUBLIC VACCINATION.—CENTRE DIVISION.

DR H.DAZÉ, VACCINATOR.

1890	Number of visits.	Vaccinated by Dr. Dazé.	Vaccinated by family physicians.	Sick.	Died.
January from 7 to 31	432	38	13	23	27
February	489	57	11	51	21
March	624	109	19	71	28
April	651	183	37	179	31
May	671	101	35	101	13
June	488	54	39	115	13
October	631	88	18	60	5
November	649	121	30	108	10
December from 1st to 15th	297	30	6	57	3
	4932	781	208	811	151

PUBLIC VACCINATION.—WESTERN DIVISION.

DR H. W. COYLE, VACCINATOR.

1890	Number of visits.	Vaccinated by Dr. Coyle.	Vaccinated by family physicians.	Sick.	Died.
January	420	38	14	37	18
February	503	76	20	76	25
March	554	110	34	74	27
April	622	127	34	76	15
May	779	154	50	45	41
June	803	107	45	133	61
October	533	101	32	78	34
November	710	126	49	92	42
December	260	52	16	37	19
	5184	891	294	648	282

During the months of July, August and September, vaccination was suspended owing to the warm weather.

This period was devoted to a revision of the lists of baptisms from the different churches, the preparation of the index of the names inscribed on the lists and the checking of the names of the children appearing on the said lists who died in the course of the year. The latter work is accomplished by the aid of the mortuary returns received from Notre Dame des Neiges and Mount Royal cemeteries, in accordance with the law. The vaccinators, moreover, were engaged during this time in preparing certain matter for the annual report upon the sanitary state of the city.

COMPARATIVE STATEMENT OF PUBLIC VACCINATIONS FOR THE .

	1887				1888				1889				1890			
	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.	Vaccinated by public vaccinators.	Vaccinated by other physicians.	Died before being vaccinated.	Sick.
Dr Nolin.....	974	364	1244	308	1151	300	940	124	1201	192	286	1199	1214	194	319	1391
Dr Dazé.....	530	253	134	571	850	317	121	159	746	190	214	790	781	208	151	811
Dr Coyle.....	499	163	86	540	801	295	138	55[illegible]	885	299	204	613	891	294	282	648
Total.....	2003	780	1464	1419	2802	912	1199	835	2832	681	704	602	2886	696	752	2855
Total vaccinations..	2783				3714				3513				3582			
Total vaccinations and deaths.....	4247				4913				4217				4334			
					5748				6819				7189			

MILK INSPECTION.

C. Drouin, V. S.

The testing performed by our Milk Inspector was accomplished by means of Quevenue's Lacto-densimeter and Feser's Lactoscope. One thousand and eight samples were examined by him, from the 8th April to the 31st December, 1890, and they gave the following results:

Density by Lactodensimeter.	Quantity of Butter Fat according to the Feser's Lactoscope.														
	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3 25	3.50	3.75	4.00	4.25	4.50
1020 @ 21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1021 @ 22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1022 @ 23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1023 @ 24	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
1024 @ 25	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
1025 @ 26	.....	.....	.....	.....	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
1026 @ 27	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
1027 @ 28	.....	.....	.....	1	1	.....	5	4	6	1	.....	.....	.....	1	.....
1028 @ 29	.....	.....	.....	.....	1	1	9	10	9	2	3	.....	.....	.....	.....
1029 @ 30	.....	.....	.....	1	1	5	3	20	44	15	5	.....	.....	.....	.....
1030 @ 31	.....	.....	.....	.....	3	9	17	39	52	27	9	.....	.....	.....	.....
1031 @ 32	.....	1	.....	.....	5	2	9	33	47	22	4	2	.....	1	.....
1032 @ 33	.....	.....	.....	.....	2	6	10	41	20	16	3	.....	1	.....	.....
1033 @ 34	.....	.....	.....	.....	2	3	13	11	14	1	2	.....	.....	.....	.....
1034 @ 35	.....	1	.....	1	2	4	.....	5	3	.....	.....	1	.....	.....	1
1035 @ 36	.....	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....
1036 @ 37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
1037 @ 38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	2	.....	3	19	33	66	165	198	85	26	3	1	3	1

Density.		Quantity of butter fat.	
Minimum	1023.00	Minimum	1.25
Mean	1030.48	Mean	2.86
Maximum	1036.00	Maximum	4.50

MILK INSPECTION.—*Continued.*

CITY.	Milkmen residing in the ward.	Number of cows.	Producers	Traders.	Quantity of milk sold daily.	Quantity of milk sold per annum.
St-James Ward	17	92	15	2	215	78475
St-Mary "	59	287	46	13	916	334340
St-Jean-Bte "	25	170	22	3	438	159870
St-Louis "	14	35	10	4	171	62415
St-Lawrence "	7	24	.....	7	168	61320
St-Antoine "	29	46	3	26	1016	370840
St-Gabriel "	20	147	16	4	381	139065
St-Ann's "	8	23	5	3	106	38690
Hochelaga "	6	50	1	.....	78	28470
East "	2	9	2	.....	10	3650
Total	187	883	125	62	3478	1264475

SUBURBS.	Milkmen residing in the locality.	Number of cows.	Producers	Traders.	Quantity of milk sold daily.	Quantity of milk sold per annum.
Maisonneuve	5	93	5	.....	169	61635
Côte Visitation	14	234	12	2	486	177310
" St-Luc	8	146	8	.....	272	99280
" St-Paul	14	233	14	.....	430	156950
Coteau St-Louis *	19	145	15	4	450	164250
Mile-End *	17	219	15	2	335	102565
Outremont	3	32	3	.....	64	23360
Côte St. Antoine	4	41	2	2	240	87600
St-Henri	9	90	6	3	214	78110
Ste-Cunégonde	11	78	9	2	216	78840
Longue-Pointe	20	231	12	8	797	290905
Pointe-aux-Trembles	6	144	4	2	262	95630
St-Léonard Port Maurice	15	100	6	9	445	160600
Sault-au-Recollet	12	150	11	1	364	132860
St-Laurent *	53	780	46	7	1893	690945
Mount-Royal Vale	1	36	1	.....	50	18250
Lachine *	14	530	14	.....	1076	392740
Verdun	7	193	7	.....	395	144175
Côte-des-Neiges	2	32	2	.....	45	16425
St-Vincent-de-Paul	1	9	1	.....	18	6570
Terrebonne	1	18	1	.....	17	6205
Longueuil	1	10	1	.....	20	7300
St-Martin	1	.....	1	.....	25	9125
Ste-Thérèse	1	15	1	.....	75	27550
Total	239	3549	197	42	8303	3029115

* The municipalities marked with an asterisk furnish 35,002 gallons of butter milk annually,

MILK INSPECTION.—*Continued.*

RECEIVED AT RAILWAY DEPOTS.

Place of delivery.	Per day.	Per annum.	Remarks.
Bonaventure Depot.....	1601	584365	
Mile-End "	104	37960	The entire year.
Dalhousie Sq. "	382	138830	"
Windsor "	22	3030	"
Longueuil Landing.....	46	6790	"
			Only during the season of navigation.
Total.....	2155	775975	

LICENSES FOR THE SALE OF MILK.

Year.	2 wheel Vehicles.	4 wheel Vehicles.	Carriers.	Grocers.	Restaurants.	Total.
1888.....	212	139	.....	.....	.....	351
1889.....	213	149	23	13	.....	403
1890.....	229	154	23	6	4	426

In 1890, visits were made to

61 stables in the City.
54 " in the Suburbs.

Number of milkmen licensed..... 426
Milkmen (producers)..... 321
" (traders)..... 105

There are 11,831 gallons of milk sold daily in Montreal, the estimated value being, in summer, $2,839.44, and in winter, $3,785.92,. The total quantity sold annually is 4,298,589 gallons, the estimated value of which is $300,900 60.

Milkmen condemned by the Recorder for infractions of the by-laws :

No licenses, 2 milkmen.....				$1.00	and costs each.
Adulterated milk, 8 Milkmen....				5.00	"
"	"	4	"	... 2.00	"
"	"	3	"	... 1.00	"
"	"	2	"	... costs	
"	"	3	"	... $10.00	and costs each.

Number of complaints made by citizens against milkmen, 61.

There were 196 gallons of milk,from Belœil, seized at the Grand Trunk depot, on account of being contaminated with the contagion of Diphtheria.

In his quality as Veterinary surgeon, the Milk Inspector caused five horses affected with glanders to be destroyed. Three of the animals belonged to the Canadian Express Company, who were obliged to have their stable demolished in order to remove the seat of the contagion. It is urgent that the City Council should pass a by-law obliging the owners of horses affected with glanders to have the animals killed under a very severe penalty, for in such cases there is danger not only to animals but likewise to human beings.

The Milk Inspector, furthermore, made an investigation into the cause of the sudden death of five cows in Hochelaga Ward. Upon post mortem examination he found that death was due to a disease of the nature of Anthrax, attributable to decayed vegetable matter in low ground during the extreme heat of summer.

No 187

BY-LAW TO AMEND BY-LAW N°. 105, CONCERNING HEALTH IN SO FAR AS THE INSPECTION OF MILK IS CONCERNED.

Passed 23rd June, 1890.

At a special meeting of the Council of the City of Montreal, held in the City Hall, this twenty-third day of June, one thousand eight hundred and ninety, after the observance of the formalities prescribed in and by the act of incorporation of the said City ; at which meeting not less than two thirds of the members of the said Council are present, viz ; His Worship the acting Mayor, Alderman G. W. Stephens ; Aldermen Rolland, Préfontaine, Jeannotte, Stevenson, Conroy, Malone, Rainville, Thompson, Hamelin, Villeneuve, A. Dubuc, Perrault, Clendinneng, Griffin, Robert, J. B. R. Dufresne, W. Kennedy, Brunet, Martineau, P. Kennedy, Savignac, P. Dubuc, Farrell, McBride, Cunningham, Grenier, Tansey, Lamarche, Gauthier.

It is ordained and enacted by the said Council, and the said Council doth ordain and enact as follows :

Sec. 1.—Section 18 of by-law No 105 passed by the said Council on the 21st December 1876 is repealed, and the following substituted therefor :

Sec. 18.—The Board of Health shall appoint a milk inspector, from among their own staff, whose duty it shall be to visit all dairies and milk depots in the City ; to enter any place or premises where milk is stored or kept for sale, and to stop and inspect all vehicles used in the conveyance of milk ; and whenever he has reason to believe that any milk found therein is adulterated, or unwholesome, or of a quality not up to the standard hereinafter established ; or that such milk is, or is suspected of being the vehicle of contagion or infection, whether the source of contagion be animal or human subjects, he shall take specimens thereof and cause the same to be analysed or otherwise satisfactorily tested, and he shall preserve a certificate of the result of said analysis or test made by the analyser or tester, to serve as evidence in case of prosecution.

Sec. 2.—Section 22 said of by-law No. 105 is repealed, and the following substituted in its stead.

Sec. 22.–No person shall sell or offer for sale,or have in his possession for sale, in the City,adulterated or unwholesome milk, or milk produced from diseased cows, or cows fed upon substances delete-

rious to the quality of milk, or milk being the vehicle of contagion or infection, whether the source of contagion be animal or human subjects, or milk the quality of which shall not come up to the following standard : " *three per cent of butter fat, twelve per cent of total solids and a specific gravity of from* 1029 *to* 1033 *at a temperature of* 60° *Fahrenheit.*"

Any milk sold, offered or held for sale in this City contrary to the provisions hereof may be seized and confiscated by the said Milk Inspector or any other Health Officer.

Sec. 3—Section 19 of said by-law No. 105 is amended by adding the following proviso: Provided that, in the case of dairymen residing outside the city, no such licence shall be granted to any of them unless he shall sign a declaration by which he agrees to allow the city's milk inspecter to visit at reasonable hours his premises where the cows are kept, from which the milk to be sold in the city is obtained ; and to comply with the instructions that the inspector may see fit to give.

STATEMENT SHOWING THE EXPENDITURE IN RED FOR SANITARY PURPOSES DURING THE YEARE1890.

NATURE OF APPROPRIATIONS.		Appropriation.	Expenditure.	Over Expenditure.	Bealance maining.
Staff:	$ c.	$ c.	$ c.	$ c.	$ c.
Medical Health officer	3000	.....	.....	.....	
Sanitary Inspector	1300	.....	.....	.....	
Secretary	750	.....	.....	.....	
Accountant	700	.....	.....	.....	
Notice Clerk	700	.....	.....	.....	
Counter "	6' 0	.....	.....	.....	
Registration Clerk	600	.....	.....	.....	
Notice server	600	.....	.....	.....	
Office boy	156	.....	.....	.....	
3 vaccinators, 1 @ $800, 2 @ $700.	2200	.....	.....	.....	
4 Meat Inspectors, 2 @ $600 ..... 2 @ $700	2600	.....	.....	.....	
1 Sergeant of Sanitary Police	624	.....	.....	.....	
12 Sanitary Policemen @ $10	6240	.....	.....	.....	
1 Disinfector	520	.....	.....	.....	
1 Milk Inspector	624	.....	.....	.....	
		21214 00	21227 90	13 90	
Miscellaneous:					
Maintenance of Hospital.	.....	1960 45	1955 63		4 82
Scavenging and cremation	.....	53010 00	53010 60	60	
Contingent expenses	.....	500 00	407 35	.....	92 65
Purchase of vaccine	.....	300 00	289 33	.....	10 67
Disinfectants	.....	300 00	280 02	.....	19 98
Maintenance of public baths	.....	600 00	594 42	.....	5 58
Reports of births	.....	400 00	340 55	.....	59 45
House of Refuge	.....	200 00	201 83	1 83	
Vehicle hire for inspectors	.....	1050 00	1030 25	.....	19 75
Removal of dead animals	.....	1500 00	1500 00	.....	
Burial of unknown persons	.....	300 00	285 00	.....	15 00
Uniforms for police	.....	850 00	850 91	91	
Milk inspection	.....	225 00	151 30	.....	73 70
Inspection of plumbing & drainage	.....	100 00	.....	.....	100 00
Completing Hochelaga bath	.....	2114 55	2114 55	.....	
		84624 00	84239 64	17 24	401 60
Balance remaining	.....	.....	384 36		
			84624 00		

LIST OF STREETS REQUIRING PUBLIC SEWERS REPORTED UPON TO COUNCIL BY THE BOARD OF HEALTH DURING THE YEAR 1890.

Amherst street, between Lagauchetiere and Dorchester streets.
Albert street.
Bleury street, from Ontario to Dorchester Sts; from Dorchester to Lagauchetiere Sts.
Bonsecours street, from Notre Dame to Champ de Mars streets.
Berri street, from Notre Dame St. to Mount Royal avenue.
Beaudry street.
Barnett street, between Shaw St. and De Lorimier avenue.
Cuvillier street, between St. Catherine and Notre Dame Sts; between St. Catherine and Stadacona Sts.
Cathedral street, between the end of the present brick sewer and St. Antoine street.
Clark street, from St. Jean Baptiste St. to Mount Royal avenue.
Davidson street, from St. Catherine to Notre Dams Sts; from St. Catherine to Stadacona Sts.
Dorchester street, from St. Lawrence to St. Dominique Sts.
Darling street, between St. Catherine and Stadacona Sts.
Dalhousie street, between William and Wellington Sts.
Fortification Lane, from Place d'Armes Hill to St. François Xavier street
Guilbeault street, between Arcade and St. Lawrence Sts.
Gosford street, from Notre Dame to Craig Sts.
Harbour street, from Lafontaine to Ontario Sts; above Logan street.
Hutchison street, from the end of the present sewer northwards to the projected end of said street.
Imperial avenue, from St. James street.
Jean street (St. Jean Baptiste ward) from Clark street northwards to the end of the street.
Lemoine street between, McGill and St. Peter Sts.
Lagauchetiere street, from St. Elizabeth to German Sts; fr[illegible] Denis street northwards to the end of the present [illegible]
Moreau street, from the end of the Ontario street se[illegible] house in the street.
Mathieu street, south of Ontario street.
Mignonne street, from Harbour to Fronten[illegible]
Notre Dame de Lourdes street.
Notre Dame street from Monarq[illegible] [illegible]reets; fr[illegible] Dupré Lane westwards to St. D[illegible]
Ontario street, from the end of t[illegible] [illegible] from Déséry to St. Germain[illegible] built by the estate Delisle.
Panet street, from the end of [illegible]

Papineau Road, from the end of the present sewer to Mount Royal avenue ; from Lafontaine to Mignonne St.

Prefontaine street, from the end of the present sewer to Logan street.

Panet street.

Pine Avenue, at its intersection with Park Avenue about 140 feet north east of the latter avenue.

Quiblier street, from the end of the present sewer to Atwater avenue.

Recollet street, from St. Peter to McGill streets.

Roy street, between St. Hubert and Berri Sts ; between St. Hubert and Maple streets.

Richmond Square, west side, from the north end to St. Antoine street.

Ropery street, between St. Patrick and Manufacturers streets.

Robillard street, between Marlborough street and the Canadian Pacific Railway.

Seymour street, throughout.

Sherbrooke street, between Jacques Cartier and St. André Sts ; from St. Lawrence to St. Urbain Sts ; between St. Hubert and and St. André Sts ; from Wolfe street to Papineau avenue.

St. Antoine street, from Dominion to Vinet Sts.

St. Alphonse .street, throughout.

St. Catherine street, from Darling street to eastern limits of lot bearing cadastral No. 31 ; from the end of the present sewer to Joliette street.

St. Charles Borromée street, north of Bagg street ; from Prince Arthur street southwards.

St Helen street, from Lemoine to Recollet streets.

St. Jean Baptiste street, between Berri and Maple Sts.

St. Lawrence Market street, between St. Dominique and St. Lawrence Sts.

St. Lu[illegible]et, from Chomedy to St. Mark Sts.

St. [illegible]reet, from Condé street to the Flume.

St[illegible]et, from McGill to St. Jean Baptiste Sts ; and from [illegible]iel street to J[illegible] Cartier Square ; from St. [illegible] westwards [illegible]fective.

[illegible] street, fr[illegible]arron [illegible]

REPORTS MADE BY THE SANITARY POLICE DURING THE YEAR 1890,

FOUND IN AN UNSANITARY CONDITION.

	Drains.	Cellars.	Sinks.	Waste pipes.	Water closets.	Soil pipes.	Ventilation.	Privy pits needing to be cleaned.	Privies in bad order.	Privy pits requiring to be filled.	Wooden slop tr'k.	Dirty yards.	Stables.	Manure heaps.	Dirty Lanes.	Vacant lots.	Unhealthy houses.	Damp houses.	Dirty houses.	Dwellings ordered to be closed.	Fowl in houses.	Overcrowded houses	Wells filled up.	Nuisances caused by illuminat. gas.	Manure boxes constructed.	Offensive manure boxes.	Leaking water pipes.	Water-closets put into houses.
January	45	20	6	76	39	24	17	66	3	4	...	4	...	113	2	...	2	5	3	3	2	.....	...	.....	2	.....	7	15
February	40	23	5	61	28	6	27	65	.....	7	2	8	2	102	.....	...	2	8	4	1	3	1	...	1	.....	.....	1	25
March	58	32	6	158	47	28	46	147	8	22	10	49	...	113	8	...	1	6	10	1	1	.....	...	.....	1	2	1	58
April	65	42	9	106	57	31	33	125	3	31	6	320	1	378	33	19	1	3	2	2	5	.....	...	2	12	.....	2	48
May	64	72	14	92	74	38	33	102	9	29	2	567	7	538	88	41	19	4	2	19	1	.....	2	.....	60	2	3	67
June	68	42	10	62	44	20	35	153	7	29	4	350	10	456	220	7	1	7	6	.....	2	1	1	1	19	7	1	44
July	72	25	6	80	23	26	45	211	19	21	10	114	14	221	49	3	1	3	5	4	1	.....	...	2	17	2	8	39
August	93	48	11	91	62	42	52	213	10	11	11	80	15	192	41	1	1	...	3	3	2	.....	...	6	25	6	2	26
September	95	63	10	89	43	19	50	157	5	13	6	61	10	139	20	8	...	6	4	1	.....	.....	...	.....	37	5	2	39
October	92	41	13	99	56	28	42	140	2	15	...	39	15	132	52	12	...	...	2	2	3	.....	...	1	52	7	3	36
November	86	39	6	125	55	24	31	145	1	5	2	21	2	186	14	3	...	1	5	1	11	.....	1	.....	26	7	3	28
December	50	18	2	104	36	10	39	61	.....	1	2	2	2	79	.....	...	...	5	1	1	.....	.....	...	.....	2	1	2	6
	828	465	98	1143	564	296	450	1585	67	188	55	1615	78	2649	517	94	28	48	47	38	31	2	4	15	253	39	35	431

REPORTS MADE BY THE SANITARY POLICE DURING THE YEAR 1890.

NUISANCES ABATED.

	Regular visits.	Special visits.	Second visits.	Number of days of extraor. duty.	Drains.	Cellars.	Sinks.	Waste pipes.	Water-closets.	Soil pipes.	Ventilation.	Number of privy pits cleaned.	Privies in bad order.	Privy pits filled up	Wooden slop tr'ks.	Dirty yards.	Stables	Manure heaps.	Dirty Lanes.	Vacan. lots.	Unhealthy houses.	Damp houses.	Dirty houses.	Houses ord. closed	Fowl in houses.	Overcrowded houses.	Wells filled up.	Nuisances caused by illuminatg. gas.	Manure boxes built.	Offensive manure boxes	Leaking water pipes.	Water closets put in.
January...	2451	480	516	50½	36	18	6	71	33	19	17	62	2	3	...	3	...	113	2	...	2	4	3	3	2	.....	...	.....	2	.....	1	15
February..	2916	357	267	74½	36	20	5	57	26	6	27	63	.....	10	2	6	1	102	.....	...	2	8	4	1	3	1	...	1	.....	.....	1	25
March.....	3999	593	533	26½	48	32	5	153	49	27	46	144	3	23	3	47	...	113	8	...	1	6	10	1	1	...	...	.....	.....	2	1	58
April.....	2179	1292	845	32	57	42	9	94	44	23	33	123	3	22	3	311	1	323	33	18	1	3	2	2	2	.....	...	2	11	.....	2	48
May.....	334	2031	1535	24	58	63	12	89	66	35	33	97	9	26	2	512	5	450	86	38	18	3	2	19	1	.....	2	..	....	59	2	3	67
June.....	605	1928	1222	26½	65	38	10	59	42	20	35	150	7	28	1	327	8	407	220	7	1	7	4	...	2	1	1	1	19	...	1	1	44
July..... ...	1091	1330	748	52½	57	24	5	74	18	25	45	205	12	18	13	100	5	152	42	3	1	3	3	4	1	.....	...	2	17	2	8	39
August.....	2120	1128	839	37	82	43	8	81	58	41	52	205	9	10	10	79	14	166	41	1	1	...	3	2	2	.....	...	6	22	5	2	26
September	1983	1188	843	36	75	61	9	80	42	18	50	154	5	13	4	57	9	124	19	8	...	6	3	1	.....	.....	...	.....	22	5	2	39
October ...	3005	967	801	27	79	36	7	88	48	26	42	134	2	12	..	38	12	126	42	4	...	...	1	2	3	.....	...	1	48	7	3	36
November	3688	819	725	15	68	38	6	111	47	23	31	128	1	5	1	21	...	177	14	3	...	1	5	1	11	.....	1	.....	24	6	3	28
December	3422	623	528	24½	36	15	2	86	31	10	39	49	.....	1	1	.....	1	77	.....	...	...	2	1	1	.....	.....	...	.....	2	1	2	6
	27793	12736	9402	426	697	430	84	1043	504	273	450	1514	53	171	40	1501	56	2330	507	82	27	44	41	37	28	2	4	13	226	37	35	431

The sanitary police force comprises 13 men and 1 sergeant.

The 426 days mentioned in the table under the head of extraordinary duties, were devoted to a surveillance over the collection of the ice supply, attendance in the Recorders' Court, supervising the scavenging service, milk inspection, visiting lanes, etc., etc.

The reports given in the two preceding tables were made by 10 inspectors ; of the three others, one has the duty of disinfecting houses where contagious diseases have existed, another the duty of examining the drainage of new houses, and the third is engaged in serving notices for vaccination and examining into and reporting upon the circumstances of applicants for remission of the water tax. The work of the latter officers is shown elsewhere in this report.

The Department was obliged to enter 109 actions in the Recorders' Court for infractions of the by-laws. Eighty-four of these cases were won by the Department. One hundred and seventy-one privy pits were caused to be emptied, disinfected and done away with by being filled up with earth. Privy pits on property where new houses were built are not included in this number.

J. Bte. Cardinal, *server of vaccination notices and inspector in cases of application for remission of water tax*, made 460 reports upon applications for remission of water tax ;

Served 6668 vaccination notices ; made special search in 350 cases in which the persons had changed their residences ;

Made 130 special visits by order of the sergeant ;

Collected the lists of baptisms from the different churches and paid the accounts due to each church for said lists ;

Attended to the burial of poor persons in cases in which the Department supplied the coffin and hearse.

INSPECTION OF NEW HOUSES DURING THE YEAR 1890.

WARDS.	With permit.		Without permit.		Dwellings.	Water-Closets.	Privy-pits.	REMARKS.
	Houses built.	Houses unfin shed.	Houses built.	Hous s unfinished.				
Hochelaga	6				24	26	1	1 School, privy-pit Smead patent.
"			3		13	12		
"				1				
"		2						1 Manufactory (Dominion Bridge Co.)
St. Marys	17				95	95		1 Brewery.
"			4		41	37		1 Office(Domin.Oil Co.)
"			8					1 Saw-Mill, 1 Convent.
St. James	21				114	125		
"			2		4	4		1 Shop.
"		4						
"				4				
St. Louis	9				18	18		1 Store.
"			1		4	4		
"		2						1 Church.
East	1							1 Store.
"		1						1 Stable (Dominion Transport Co.)
St. Lawrence	27				77	109		1 Church.
"			2		21	25		2 Shops.
"		3						
St. Antoine	34				93	118		9 Stores.
"			5		19	17		1 Church.
"		5						
"				2				
St. Ann's	13				20	27	1	1 School, 1 Refrigerator, 1 foundry,
"		3		2				4 Stores.
Centre	2				20	21		1 Store.
St. Jean-Baptiste	10		4		32	31	1	Abso'tely without sewer.
"		4	4	1	20	20		
St. Gabriel	14				48	49		1 Church.
"			4		16	16		
West		2						1 Store.
Total	154	26	33	10	679	754	3	

REMOVAL OF DEAD ANIMALS.

1890	Horses.	Cattle.	Calves.	Sheep.	Pigs.	Goats.	Dogs.	Cats.	Fowl.	Tainted meat.	Entrails.	Fish.	Outside the city. Horses.	Outside the city. Cattle
January	50	4	1	.....	...	3	33	20	.....	...	.....	...	4	.....
February	48	2	1	.....	...	3	31	30	1	3	.....	2	2	.....
March	36	4	17	.....	...	2	71	72	2	13	.....	1	2	.....
April	54	3	3	.....	...	1	123	132	16	2	.....	9	.....	.....
May	50	7	8	.....	3	2	123	170	5	11	.....	9	5	3
June	63	6	4	1	4	4	140	171	6	4	.....	4	2	1
July	60	12	6	1	1	.....	106	187	4	6	1	1	3	1
August	71	8	1	2	1	1	111	145	17	6	5	4	3	1
September	70	9	2	10	2	.....	65	79	4	2	4	3	8	.....
October	52	9	1	7	...	1	70	52	2	...	1	4	3	1
November	64	7	1	1	...	3	57	45	1	1	.....	1	3	.....
December	45	4	...	.....	..	1	34	15	.....	...	.....	..	2	.....
Total	663	75	45	22	11	21	964	1118	58	48	11	38	37	7

STATEMENT SHOWING THE NUMBER OF

1890	Hochelaga.		St. Mary's.		St. James		St. Louis.		St.Lawr'ce		St. Antoine	
	Number of pits	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.
January.....	6	236	3	198	5	358	3	302	4	317	5	228
February	3	137	12	659	4	233	6	720	2	253	15	1112
March.....	.....	.....	18	1541	18	982	14	993	13	1276	27	1683
April.....	1	66	32	2626	14	1320	18	1413	24	2238	29	2259
May.....	2	120	23	1479	20	1909	18	1320	30	2053	29	2201
June..	1	36	31	2954	31	2517	33	2622	32	1929	48	4003
July.....	30	1962	16	1298	23	1818	30	2444	31	2824	51	3783
August.....	6	599	25	3003	30	2181	25	1886	19	1569	36	2655
eptember...	4	346	15	1728	32	2447	30	2568	25	2257	70	6328
October.....	22	2274	22	1695	24	2283	26	1930	26	2324	35	2484
November...	.....	.....	24	1788	21	1485	11	184	2	120	45	3713
December ...	.....	147	12	858	5	392	8	736	4	201	9	875
	76	5923	233	19827	272	17925	222	17718	212	17361	399	31373

PRIVIES CLEANED IN EACH WARD.

St. Ann's.		West.		Centre.		East.		St.J.-Bte.		St.Gabriel.				Total.	
Number of pits.	Number of cubic feet.	Number of pits	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Connected with sewer.	Unconnected with sewer.	Number of pits.	Number of cubic feet.
13	981	1	88	.....	.....	.....	.....	9	418	12	916	23	48	61	4092
7	1274	...	.....	1	40	1	82	4	172	6	616	9	52	61	5298
20	1601	...	.....	.....	.....	2	607	4	353	7	424	32	91	123	9465
20	1967	1	297	1	128	1	416	25	1040	23	1389	41	146	187	15159
31	2597	1	90	8	343	4	440	15	860	7	509	48	140	188	13921
34	3047	1	68	2	117	5	392	13	637	6	392	72	165	237	13774
41	3228	1	60	1	60	8	927	22	1426	21	1763	73	202	275	21593
23	3169	...	.....	.....	.....	6	488	22	1416	8	736	55	145	200	17702
28	2571	1	144	2	276	2	87	10	608	12	1028	92	139	231	20442
27	1920	...	.....	3	163	4	713	9	507	12	791	82	135	210	17084
31	3510	...	.....	1	36	1	54	14	742	45	3168	63	132	195	15400
28	3998	...	.....	2	141	3	460	5	306	3	244	27	53	80	8358
303	29869	6	747	21	1364	37	4666	150	8485	162	12030	607	1448	2048	167288

1890	Privy pits filled up.	Water-closets put in.
St. Gabriel Ward	13	45
St. Ann's "	7	25
St. Antoine "	27	94
St. Lawrence "	9	22
St. Louis "	48	80
St. James "	23	55
St. Mary "	9	38
Hochelaga "	2	2
St-Jean-Baptiste	28	60
East "	1	2
Centre "	2	4
West "	2	4
	171	431

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. ANN'S WARD.

Streets.	Diphtheria.	Diphtheritic Croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Anne					2			2
Aqueduct to 160								
Barre								
Basin					1	3		4
Brennan								
Britannia	2							2
Bourgeois					3			3
Canal								
Canning to 27								
Centre to 187	2			1				3
Chaboillez, to 14								
Chaboillez Square, even Nos								
Chatham, to 27					1			1
Colborne	2			1	3	1		7
College			3					3
Common, above 43								
Condé	1							1
Congregation	2		1	5				8
Conway				1				1
Dalhousie	4			1	1			6
Duke	4			4	1			9
Dupré Lane								
Eleanor								
Farm			1	1				2
Favard					2			2
Forfar	3			1	1			5
Grand Trunk, to 155	2							2
Grey Nun								
Hunter								
Inspector	1							1
King								
Manufacturers, Little	1							1
De l'Ecluse Lane								
Longueuil Lane								
Lusignan, Nos 1, 2, 3								
Manufacturers to 76	1				1			2
Maple avenue								
McCord	1				1			2
Magdalen 2 to 19 and 1 to 209	1			2				3
McGill, even Nos to 214								
Menai								
Mill								
	27		5	17	17	4		70

CONTAGIOUS DISEASES, St. Ann's Ward.—*Continued.*

Streets.	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Brought forward	27	.....	5	17	17	4	.....	70
Mondelet	.....							
Montmorency	1				1			2
Mullins, to 134	4				1			5
Murray	2		1		2	4		9
Notre Dame, even Nos. from 1842						1		1
Nazareth	1					4		5
Olier						3		3
Ottawa	2				2	1		5
Payette			1	1				2
Pichette								
Prince			1	1	1			5
Queen								
Richardson, to 163	6		1					7
Richmond, to 271				1				1
Sebastopol			1	2				3
Seigneurs, to 283								
Seminary								
Shannon	1	1			1			3
Shearer								
Shearer Lane								
Smith								
Spier Lane								
St. Agnes								
St. Augustin								
St. Colomban	1					6		
St. Etienne	1				2			
St. Francis, from 11 to 33	4							
St. Henry			1					
St. Henry Lane								
St-Martin, to 83					2	2		
St-Martin Lane								
St Maurice				3				
St, Patrick	2			1				
St. Thomas								
Tar Lane								
Versailles, 1 to 18								
Wellington, from 1 to 600	3	1	1	1	4			
William	2		1	2		4		
Young								
	57	2	13	29	33	29		

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST-ANTOINE WARD.

STREETS.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total
Albert				1	2	1		4
Albert Avenue								
Albert Lane								
Adeline					1			1
Aqueduct			1					1
Argyle								
Aylmer					2	1		3
Bannockburn Avenue								
Bayle								
Beaver Hall Hill	1		1					2
Beaver Hall Square					1			1
Beaver Hall Terrace								
Belmont				1				1
Berthelet, from 49								
Bishop		1		1				2
Bishop Avenue								
Bisson								
Blache Lane								
Bruchesi								
Brunswick					2			2
Buckingham								
Burnside								
Busby								
Canning, from 41	2				1			3
Carleton								
Cathcart				1				1
Cathedral								
Chaboillez, from 19	1							1
Chaboillez Square, even Nos								
Chatham, from 70	1			4				5
Chomedy								
City Councillors, even Nos	1							1
Closse								
Cote des Neiges								
Coursol	1			2				3
Craig, from 742					1			1
Crescent								
Cypress								
Delisle				1				1
Desrivières					1			1
Desrivières Avenue								
Dominion, from 52								
Dominion Avenue, from 12 to 34				7				7
	7	1	2	18	11	2	4	41

CONTAGIOUS DISEASES, St. Antoine Ward.—*Continued.*

Streets.	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Brought forward	7	1	2	18	11	2		41
Donegana								
Dorchester, from 774	6			3				9
Drummond	1				2	1		4
Dubrule Lane								
Durocher, even Nos	5							5
Edge Hill avenue								
Elm avenue								
Essex avenue	4							4
Evans Court								
Forgue Avenue								
Fort	5			1				6
Fournier								
Fulford	5			1	1			7
Groulx Lane								
Guy from 151								
Guy Avenue					2			2
Hanover								
Hutchison								
Inspector, from 46	1							1
Jubilée Lane								
Lagauchetière, from 730								
Larin avenue								
Latour				3	1			4
Leclerc Lane								
Leroux Lane								
Lincoln avenue	3							3
St-Antoine, Little								
Lorne avenue	1					2		3
Lorne Crescent								
Lusignan, from 5								
Macgregor				1	1			2
Mackay				3	1			4
Mansfield	3			1	1			5
Maple avenue								
Mayor, from 60 to 70								
McGill College, avenue					2			2
McGill, from 226 to 240								
McTavish	1							1
Metcalf	1	1		1				3
Metcalf avenue								
Milton avenue				1				1
Monette Lane					1	1		2
Morland					1			1
Mountain	24	1		1	2	1		29
	67	3	2	34	26	7		139

CONTAGIOUS DISEASES, St-Antoine ward—*Continued.*

Streets.	Diphtheria	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Brought forward	67	3	2	34	26	7		139
Mount St. Mary avenue								
N.-Dame, from 1849 odd and even Nos								
O'Leary avenue				5				5
Olivier								
Ontario avenue								
Osborne								
Overdale avenue								
Oxenden avenue	5							5
Paxton avenue						2		2
Pea Lane								
Peel				1				1
Philips Place								
Philips Square								
Pine avenue								
Plymouth Grove								
Poële Lane								
Prince Arthur						1		1
Quesnel				2				2
Railway Track								
Redpath					2			2
Richmond, from 281	4				1			5
Richmond avenue								
Richmond Square						1		1
Rolland			1					1
Roy Lane								
School House								
Seigneurs, from 272	3				2	2		7
Sherbrooke, from 734								
Shuter	3			1				4
Simpson								
St-Alexander, even Nos	1				1			2
St-Antoine	6			8	4			18
St-Catherine, from 2146	4			1	1	1		7
St-David Lane	1							1
St-David Place								
St-Félix					1			1
St-Geneviève								
St-James, from 284	1		1	3	1	2		8
St-Léon Lane								
St-Luke	1			1				2
St-Margaret					1			1
St-Mark	6			1				7
St-Martin, from 85			1	2	1	3	1	8
St-Mathew	1							1
	103	3	5	59	41	19	1	231

CONTAGIOUS DEASES, St-Antoine Ward.—*Con inued.*

Streets.	Diphtheria	Diphtheria Croup.	Croup.	Scarlatina	Typhoid.	Measles.	Varicella.	Total.
Brought forward	103	3	5	59	41	19	1	231
St-Michael Lane						1		1
St-Monique	2							2
St-Sophia								
Stanley					1	1		2
Sussex					1	1		2
Thistle Terrace								
Torrance	1							1
Tower avenue								
Trudel Lane								
Tupper	1			1				2
Union avenue				1				1
University	2			3	2	1		8
Versailles, from 22								
Victoria				1		1		2
Victoria Square, to 86 and from 25 to 49								
Windsor					1			1
Workman, odd Nos. to 121 even to 108				1	1			2
Wood avenue								
Total	109	3	5	66	47	24	1	25

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. LAWRENCE WARD.

Streets.	Diphtheria	Diphtheritic croup.	Croup.	Scarlatina	Typhoid.	Measles	Varicella.	Total.
Anderson	1				1			2
Arcade	1							1
Bagg	2				1			3
Balmoral								
Beauchamp avenue								
Berthelet, to 47 and 48	1				1			2
Bleury				2	1	1		4
Bronsdon Lane				1	1	2		4
Chenneville	1					1		2
City Councillors, odd Nos								
Clarke								
Concord								
Cote								
Craig, odd Nos. from 511 to 713				1	1			2
Devienne								
Dorchester, from 566 to 758	2			1	1	1		5
Dorval	2			4				6
Durocher								
Evans								
Guilbault					1			1
Hermine	5				2			7
Josephine Lane								
Jurors					3			3
Lagauchetière	3			7	2	1		13
Mance	1		1					2
Mayor, from 2 to 57	1							1
Mignonne								
Milton								
Mitcheson								
Moulton avenue				2				2
Ontario, from 1682					1			1
Park avenue								
Pine avenue					1			1
Plateau								
Plateau avenue								
Platt								
Sherbrooke, from 537 to 733	1				1			2
St. Alexander, odd Nos	1				1			2
St. Bernard	1							1
St. Catherine, from 1919 to 2143					2	11		13
St. Charles Borromée				2	1			3
St. Edouard					1			1
St. Famille	1			2				3
	24		1	22	23	17		87

CONTAGIOUS DISEASES, ST. LAWRENCE WARD.—*Continued.*

STREETS.	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Brought forward	24	...		22	23	17	.....	87
St. George	.....	...		2	.....	.....	.....	2
St. Lawrence, even Nos to 712	.....	...		1	1	2	.....	4
St. Philip	1	...		1	.....	2	.....	4
St. Urbain	7	...		2	4	7	.....	20
Theatre	.....	...		.....	.....	.....	.....	.....
Vallée	.....	...		.....	...	2	.....	2
Vitré, from 105 to 189	.....	.....	.....	.....	.....	.....	.....	.....
White	.....	.....	.....	.....	.....	.....	.....	.....
Winning	.....	.....	.....	.....	.....	.....	.....	.....
Total	32	.....	1	28	28	30	.....	119

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. LOUIS WARD.

Streets.	Diphtheria	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Albina	2		1					3
Bérard								
Boyer								
Brunet								
Cadieux, from 2 to 255	2			2	1	1		6
Charbonneau								
Charlotte								
Courville								
Craig, odd Nos 363 to 507					1			1
Dorchester, from 429 to 551				1	5			6
Drolet, from 1 to 183					1			1
Dubord, from 101								
Dufaulx								
Dumarais								
Elizabeth Terrace								
Ernest	5							5
Fortier								
German				3	2	1		6
Grothe						3		3
Laberge, Lane								
Lagauchetière, from 387 to 538								
Lagauchetière, Lane								
Laval Av., odd 1 to 221, & even to 272	6			6	3			15
Leduc Lane						3		3
Léon XIII								
Marie-Louise Avenue								
Market Square								
Mignonne, from 1208 to 1362								
Mount Charles Place					1			1
Napoleon	2				1			3
Ontario, from 1505 to 1676								
Pantaléon, from 1 to 20								
Perrault Lane								
Perrault Court								
Picard Lane								
Pine Avenue								
Roy	1					1		[illegible]
Sanguinet, to 642					3			[illegible]
Sherbrooke, from 383 to 5[illegible]					[illegible]			[illegible]
S. Catherine, fr[illegible]								[illegible]
St. Constant						1		[illegible]
St. Denis								[illegible]
St. Don								[illegible]
								[illegible]

CONTAGIOUS DISEASES, St-Louis Ward.—*Continued.*

Streets.	Diphtheria	Diphtheritic Croup	Croup.	Scarlatina	Typhoid.	Measles.	Varicella.	Total.
Brought forward	36		3	15	32	12		98
St-Elizabeth	.....		3	1	.....	1		5
St-Emery	.....							
St-Hypolite, to 317	4			2	2			8
St-Hypolite Lane								
St-Julie								
St-Justin					2			2
St-Laurent, from 1 to 913				1				1
St-Louis, from 90 to 127								
Vitré, from 1 to 102			1					1
Total	40	.....	7	19	36	13		115

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS

ST-JAMES WARD.

STREETS.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Amherst	8				2			11
Barclay								
Beaudry	3		3			2		8
Beaudry Lane								
Berri, to 713					1			1
Berri Lane								
Bonaparte								
Brien Avenue								
Brock	1							1
Campeau								
Chambly Avenue						1		1
Cherrier								
Contant								
Craig, from 184 to 352	1							1
Dorchester, from 232 to 409	2					1		3
Dubord, from 1 to 75			2					2
Grant						1		1
Houle								
Jacques-Cartier	2			1	2	7		12
Labelle	1							1
Lacroix, odd Nos						2		2
Lagauchetière, from 163 to 376			1		2	6		9
Louis Hypolite								
Maple, to 315	8		1		1			10
Marie Joseph						1		1
Mignonne, from 1005 to 1205			2					2
Montana, from 1 to 202								1
Montcalm	4		1	1	2	5		13
NotreiDame, from 1191 to 1389	2					2		4
Ontario, from 1181 to 1500						2		2
Perthus								
Rappelo								
Rivard								
Robin								
Rousseau					1			1
Sherbrooke, from 190 to 383	2							2
St-André						4		4
St-André Lane								
St-Catherine, from 1407 to 1703			1					1
St-Christophe	2							2
St-Denis, odd Nos. 23 to 493	2		3					5
St-Hubert				1				1
	39		15	3	11	34		120

CONTAGIOUS DISEASES, ST-JAMES WARD.—*Continued.*

STREETS	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Brought forward	39	.....	15	3	11	34	.....	102
St-Louis, from 1 to 71	.....	.....	.....	.....	1	.....	.....	1
Visitation, even Nos	1	.....	1	.....	.....	2	.....	4
Water	.....	.....	.....	.....	.....	.....	.....	.....
Wolfe	2	.....	1	.....	4	.....	.....	7
Total	42	.....	17	3	16	36	.....	114

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

ST. MARY'S WARD.

Streets.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Albert Lane	.....	.....	.....	.....	.....	.....	.....	.....
Allard	.....	.....	.....	.....	.....	.....	.....	.....
Amity	.....	.....	.....	.....	.....	.....	.....	.....
Archambault Lane	.....	.....	.....	.....	4	1	.....	5
Barclay	.....	.....	.....	.....	.....	.....	.....	.....
Bishop Lane	1	.....	.....	.....	.....	.....	.....	1
Brant	.....	.....	.....	.....	.....	.....	.....	.....
Champlain	12	.....	4	.....	8	6	.....	30
Chaussé	.....	.....	.....	.....	.....	.....	.....	.....
Craig	9	.....	2	.....	1	.....	.....	12
Delorimier	1	.....	.....	.....	3	.....	.....	4
DeSalabery	.....	.....	.....	.....	1	.....	.....	1
Dorchester, from 1 to 226	.....	.....	1	.....	2	3	.....	6
Dufresne	2	.....	2	.....	.....	3	.....	7
Erie	.....	.....	.....	.....	.....	.....	.....	.....
Frontenac	.....	.....	.....	.....	.....	.....	.....	.....
Frontenac Lane	.....	.....	.....	.....	.....	.....	.....	.....
Fullum	.....	.....	1	.....	1	9	.....	11
Fullum Lane	.....	.....	.....	.....	.....	1	.....	1
Gain	.....	.....	1	.....	1	.....	.....	2
Grant Lane	.....	.....	.....	.....	.....	.....	.....	.....
Harmony	.....	.....	.....	.....	.....	.....	.....	.....
Iberville, from 141	.....	.....	.....	.....	2	.....	.....	2
Joachim	.....	.....	.....	.....	.....	.....	.....	.....
Jules, beyond Gain street	.....	.....	.....	.....	1	.....	.....	1
Kent	.....	.....	.....	.....	.....	.....	.....	.....
Lafontaine, from 34	.....	.....	1	.....	.....	1	.....	2
Lagauchetière, from 1 to 157	.....	.....	1	.....	5	.....	.....	6
Lariviére	.....	.....	.....	.....	.....	.....	.....	.....
Logan, from 33	2	1	1	.....	.....	3	.....	7
Longueuil (Ferry)	.....	.....	.....	.....	.....	.....	.....	.....
Maisonneuve	4	.....	4	.....	.....	3	.....	11
Marie Anna	.....	.....	.....	.....	1	.....	.....	1
Mathieu Lane	.....	.....	.....	.....	1	1	.....	2
Mignonne, from 2 to 1004	2	.....	.....	2	1	2	.....	7
Molson Terrace	.....	.....	.....	.....	.....	.....	.....	.....
Monarque	.....	.....	.....	.....	.....	.....	.....	.....
Morin	.....	.....	.....	.....	.....	.....	.....	.....
Munro Lane	.....	.....	.....	.....	.....	.....	.....	.....
Nonancourt	.....	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from 597 to 1181	.....	.....	.....	.....	.....	.....	.....	.....
Ontario, from 660 to 1178	.....	.....	.....	.....	.....	.....	.....	.....
	33	1	18	2	32	33	.....	119

CONTAGIOUS DISEASES, ST-MARY'S WARD.—*Continued.*

STREETS.	Diphtheria	Diphtherit croup.	Croup.	Scarlatina	Typhoid.	Measles.	Varicella	Total.
Brought forward	33	1	18	2	32	33	.....	119
Panet	2	1	2	.....	3	1	.....	9
Papineau Road	.....	.....	3	4	2	3	.....	12
Papineau square	.....	.....	.....	.....	1	.....	.....	1
Parker	1	.....	.....	.....	.....	.....	.....	1
Parthenais	.....	.....	1	.....	1	2	.....	4
Plessis	3	.....	2	1	1	.....	.....	7
Poupart	.....	.....	.....	.....	1	1	.....	2
Provençal Lane	.....	.....	.....	.....	.....	.....	.....	.....
Rivet Lane	.....	.....	.....	.....	.....	.....	.....	.....
Robb Terrace	.....	.....	.....	.....	2	.....	.....	2
Shaw	2	.....	.....	.....	4	14	.....	20
Sherbrooke, to 190	1	.....	.....	.....	.....	.....	.....	1
St. Adolphe	.....	.....	.....	.....	1	.....	.....	1
St. Alexis, Lane	.....	.....	.....	.....	.....	.....	.....	.....
St. Alphonse	1	.....	.....	.....	.....	.....	.....	1
St. Catherine, from 629 to 1406	4	.....	2	.....	1	.....	.....	7
St. Elizabeth Lane	.....	.....	.....	.....	.....	.....	.....	.....
St. Germain Lane	.....	.....	.....	.....	1	.....	.....	1
St. Jean Lane	.....	.....	.....	1	.....	.....	.....	1
St. Ignace	.....	.....	.....	.....	.....	.....	.....	.....
St. Pierre Lane, beyond Mignonne	1	.....	1	.....	.....	.....	.....	2
St. Pierre Lane, near Sherbrooke	.....	.....	.....	.....	.....	.....	.....	.....
St. Roch Lane	.....	.....	.....	.....	.....	1	.....	1
St. Rose	.....	.....	.....	.....	.....	.....	.....	.....
Suzanne	.....	.....	.....	.....	.....	.....	.....	.....
Sydenham	.....	.....	.....	.....	.....	.....	.....	.....
Tansley	.....	.....	.....	.....	.....	.....	.....	.....
Visitation, odd Nos	3	2	1	.....	.....	.....	.....	6
Voltigeurs	1	.....	.....	.....	.....	.....	.....	1
Water	.....	.....	.....	.....	.....	.....	.....	.....
Veuve Lane	.....	.....	.....	.....	.....	.....		.....
Total	52	4	30	8	50	55	.....	199

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

WEST WARD.

Streets.	Diphtheria	Diphtheritic Croup	Croup.	Scarlatina	Typhoid.	Measles.	Varicella.	Total.
Callières								
Commissioners, from 261 to 347								
Commune, from 1 to 31								
Craig, from 602 to 736				1				1
Dollard								
Foundling, from 54 to 104								
Fortification								
Hospital								
Lemoine								
McGill, from 1 to 233								
Normand								
Notre-Dame, from 1722 to 1843								
Port								
Recollet								
St. Alexis								
St. Eloi								
St. François Xavier, odd Nos.								
St. Helen								
St. James, from 132 to 266		1		1	2			4
St. John								
St. Nicholas								
St. Paul, from 438 to 540								
St. Peter								
St. Sacrement								
Victoria square, from 2 to 24								
Youville								
Total		1		2	2			5

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

CENTRE WARD.

Streets.	Diphtheria.	Diphtherit croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Capital								
Commissioners								
Craig, even 494 to 600								
Custom House Square								
DeBresoles								
Fortification, from 1 to 105								
Lettoyer								
Notre-Dame, from 1611 to 1720								
Place d'Armes								
Place d'Armes Hill								
St. Dizier								
St. François Xavier, odd Nos								
St. Gabriel, even Nos								
St. James, from 46 to 128						1		1
St. Jean-Baptiste								
St. Lambert								
St. Paul, from 286 to 435								
St. Sulpice								
Total						1		1

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

EAST WARD.

Streets.	Diphtheria	Diphtherit croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Barracks								
Bonsecours								
Champ de Mars			1					3
Commissioners, from 1 to 125								
Craig								
Dalhousie Square								
Friponne								
Gosford					1			1
Jacques-Cartier Square								
LeRoyer, from 1 to 13								
Lacroix, even								
Notre-Dame, from 1410 to 1610			1		3			4
St-Amable								
St-Claude					1			1
St-Francis								
St-Gabriel, odd Nos								
St-James								
St-Louis, even Nos						4		4
St-Paul, from 32 to 282	1							1
St-Vincent								
St. Thérèse								
Vaudreuil								
Victor								
Total	1		2		7	4		14

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

HOCHELAGA WARD.

Streets.	Diphtheria	Diphtheritic croup	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
Desery	.....	.....	.....	.....	.....	.....	.....	.....
Frontenac, odd from 127	.....	.....	3	.....	.....	.....	.....	3
Gale	.....	.....	.....	.....	.....	.....	.....	.....
Harbour	.....	.....	.....	.....	.....	.....	.....	.....
Hudon	.....	.....	.....	.....	.....	.....	.....	.....
Iberville, odd to 141	.....	.....	.....	1	1	.....	.....	2
Lafontaine	.....	.....	.....	.....	.....	.....	.....	.....
Logan, to 33	.....	.....	.....	.....	.....	.....	.....	.....
Mar borough	.....	.....	.....	.....	.....	.....	.....	.....
Mignonne, from 1 to 427	.....	.....	.....	.....	1	.....	.....	1
Moreau	.....	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from 1 to 597	3	.....	2	1	1	.....	.....	7
Ontario from, 1 to 659	.....	.....	.....	.....	.....	.....	.....	.....
Pine Avenue	.....	.....	.....	.....	.....	.....	.....	.....
Prefontaine	.....	.....	.....	.....	.....	.....	.....	.....
Prevost	.....	.....	.....	.....	.....	.....	.....	.....
Robillard	.....	.....	.....	.....	.....	.....	.....	.....
Seaver	.....	.....	.....	.....	.....	.....	.....	.....
Sherbrooke	.....	.....	.....	.....	.....	.....	.....	.....
St. Catherine, from 1 to 627	3	.....	1	.....	.....	1	.....	5
St. Germain	1	.....	.....	.....	.....	.....	.....	1
St. Michel	.....	.....	.....	.....	.....	.....	.....	.....
	7	.....	6	2	3	1	.....	19

CONTAGIOUS DISEASES, BY STREETS AND BY WARDS.

ST-JEAN-BAPTISTE WARD.

Streets.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina	Typhoid.	Measles.	Varicella	Total.
Amherst					1			1
Berri, from 720								
Cadieux, even from 254, odd 259		1		4	1			6
Cerat								
Champlain								
Clarke								
Drolet, from 183	3	1			1	2		7
Dufferin	3							3
Jean	1							1
Laval Av., even from 274 odd from 233	12		1	1				14
Lionais								
Logan Farm								
Maple, from 376								
Marie Anne	1							1
Marche								
Montana	5							5
Mont Royal, even Nos								1
Pantaléon, from 21	6		4					10
Papineau								
Rachel	2		2	1	2	1		8
Rivard, from 45	1		1	1	1		1	5
Sanguinet, from 645	4							4
Seaton	1							1
St-Denis, from 495	2	1			1			4
St-Dominique, from 722	11							11
St-Hypolite, from 317	2			4	2	1		9
St-Jean-Baptiste	7							7
St-Laurent, from 915 to 1269	2	2	1	1	2			8
	63	5	9	12	12	4	1	106

CONTAGIOUS DISEASES BY STREETS AND BY WARDS.

ST. GABRIEL WARD.

Streets.	Diphtheria	Diphtheria. Croup	Croup.	Scarlatina.	Typhoid	Measles.	Varicella.	Total.
Atwater	.....	.....	.....	.....	.....	3	.....	3
Bourgeois	.....	.....		.....				
Centre, from 188	14	3		2	2			21
Charron	2			5				7
Coleraine	2							2
Edinburgh	.....							
Fortune	.....			3				3
Grand Trunk, from 157	10		2	3	1			16
Hibernia, Road	.....			1	2			3
Island	.....							
Knox	.....							
Liverpool	.....							
Magdelaine, from 190	.....							
Manufacture, from 77	6							6
Mullins, from 135	....							
Napoléon, Road	3			1				4
Paris	3							3
Richardson, from 164	5			4		3		12
Rozel	.....			1				1
Ropery	1				1			2
Rosaire	.....						1	1
Rushbrooke	.....			2				2
Ryde	.....							
St. Albert	4			2				6
Sr. Andrew	.....			1				1
St. Charles	3			2	1			6
St. Francis, from 35	.....							
St. Henri	.....							
St. Patrick, from 226	.....							
Wellington, from 601	.....			1	1		4	6
Total	53	3	2	28	8	6	5	105

CONTAGIOUS DISEASES BY MONTHS.

CASES AND DEATHS.

1890	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
January	25	4	13	14	2	1	.....	59
February	41	2	10	10	3	.....	.....	66
March	34	3	7	17	12	3	.....	76
April	49	3	5	25	10	.....	.....	92
May	38	1	12	16	6	7	.....	80
June	27	.....	4	13	6	9	.....	59
July	12	3	8	5	30	14	1	73
August	31	.....	1	5	39	15	..	91
September	20	.....	.....	22	55	.....	.....	102
October	64	1	9	21	40	15	.....	150
November	81	2	8	25	29	74	4	223
December	33	2	15	22	11	59	2	144
Total	455	21	92	195	243	202	7	1215

Number of houses infected by contagious diseases..... 1009

Number of infected houses placarded..... 423
Number of houses disinfected by the Department..... 532
Number of houses disinfected by family physicians..... 5
Number of houses disinfected by heads of families..... 8
Number of houses where disinfection was refused 464
Number of visits made by the Disinfector.....1816

CONTAGIOUS DISEASES ACCORDING TO AGES,

(CASES AND DEATHS).

1890.	Under 6 months.	From 6 months to 1 year	From to 5 years.	From 5 to 0 years.	From 10 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	Total.
Diphtheria	2	11	160	172 6	76	17	15	2	.....	.....	.....	455
Diphtheritic Croup	.....	.....	13		2	.....	.....	.....	.....	.....	.....	21
Croup	2	8	62	16	2	1	1	.....	.....	.....	.....	92
Scarlatina	.....	8	76	66	39	5	1	.....	.....	.....	.....	195
Typhoid Fever	.....	.....	9	26	69	92	26	13	4	3	1	243
Measles	3	18	96	71	11	3	.....	.....	.....	.....	.....	202
Varicella	1	.....	1	5	.....	.....	.....	.....	.....	.....	.....	7
Total	8	44	421	359	199	118	43	15	4	3	1	1215

CONTAGIOUS DISEASES BY NATIONALITIES,

(CASES AND DEATHS.)

NATIONALITIES.	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid.	Measles	Varicella.	Total
Canadians.	195	17	74	22	68	123	1	500
English	112	.....	4	84	81	23	1	305
Irish	81	3	13	45	58	33	1	234
Scotch	43	1	1	35	27	10	4	121
Germans	9	.....	.....	3	1	.....	.....	13
Italians	2	.....	.....	.....	3	4	.....	9
French	2	.....	.....	.....	1	.....	.....	3
Belgians	1	.....	.....	.....	.....	.....	.....	1
Swedes	3	.....	.....	.....	.....	.....	.....	3
Danes	.....	.....	.....	1	.....	.....	.....	1
Norwegians	.....	.....	.....	1	.....	.....	.....	1
Swiss	1	.....	.....	.....	1	.....	.....	2
Jews	2	.....	.....	1	2	9	.....	14
Dutch	1	.....	.....	1	.....	.....	.....	2
Americans	.....	.....	.....	1	1	.....	.....	2
Negroes	3	.....	.....	1	.....	.....	.....	4
Total	455	21	92	145	243	202	7	1215

CONTAGIOUS DISEASES BY WARDS.

(CASES AND DEATHS.)

WARDS.	Diphtheria.	Diphtheritic Croup.	Croup.	Scarlatina.	Typhoid.	Measles.	Varicella.	Total.
St. Ann's	59	2	13	27	33	29	.....	163
St. Antoine	109	3	5	66	47	24	1	255
St. Gabriel	53	3	2	28	8	6	5	105
St. James	42	.....	17	3	16	36	.....	114
St. Jean-Baptiste	63	5	9	12	12	4	1	106
St. Louis	40	.....	7	19	36	13	.....	115
St. Lawrence	32	.....	1	28	28	30	.....	119
St. Marys	52	4	30	8	50	55	.....	199
Hochelaga	3	4	6	2	4	.....	.....	19
Centre	.....	.....	.....	.....	.....	1	.....	1
East	1	.....	2	.....	7	4	.....	14
West	1	.....	.....	2	2	.....	.....	5
	455	21	92	195	243	202	7	1215

DEFECTS FOUND IN HOUSES INFECTED BY CONTAGIOUS DISEASES.

Diseases.	Drain pipes. Cases & deaths.	Soil pipes from water-closets. Cases & deaths.	Privies connected with sewers. Cases & deaths.	Waste pipes from sinks. Cases & deaths.	Damp walls. Cases & deaths.	Hidden defects. Cases & deaths.	Could not be examined. Cases & deaths.	Water in Cellar. Cases & deaths	Yards and dependencies dirty. Cases & deaths.	Water-closets in bad order. Cases & deaths.	Privies causing nuisance. Cases & deaths.	False addresses. Cases & deaths.	Total
Diphtheria. ...	121	10	.....	60	.....	148	23	24	7	48	8	.....	4
Diphtheritic Croup.....	3	1	.....	4	.....	8	3	.....	.....	1	1	.....	
Croup	13	2	.....	9	.....	46	5	7	3	2	3	2	
Scarlatina.....	27	5	.....	29	1	85	16	5	4	17	6	....	1
Typhoid Fever	44	3	.....	27	.....	92	25	10	10	14	13	5	2
Measles	17	1	.....	30	.....	121	12	4	2	7	5	3	2
Varicella.....	.....	.....	.....	.....	.....	3	.....	....	.....	4	.....	.....	
Total.....	225	22	.....	165	1	503	84	50	26	93	36	10	21

CONTAGIOUSNESS OF DIFFERENT DISEASES AS SHOWN BY THE NUMBER OF CASES OCCURRING IN EACH HOUSE.

Diphtheria.

1 Cases	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
216	41	21	10	4	.....	.....	.....	1	1	455

Diphtheritic Croup.

1 Cases	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
13	4	.....	.....	.....	.....	.....	.....	.....	.....	21

Croup.

1 Cases	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
82	5	.....	.....	.....	.....	.....	.....	.....	.....	92

Scarlatina.

1 Cases	2 Cases	3 Cases	4 Cas.	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
114	13	9	4	1	.....	1	.....	.....	.....	195

Typhoid Fever.

1 Cases	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
198	13	5	1	.....	.....	.....	.....	.....	.....	243

Measles.

1 Cases	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
75	15	12	6	7	2	.....	.....	.....	1	202

Varicella.

1 Cases	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	8 Cases	9 Cases	10 Cases	Total.
3	.....	.....	1	.....	.....	.....	.....	.....	.....	7

Total 1215

HOUSE FUMIGATED BY THE HEALTH DEPARTMENT.

Diseases.	January.	February.	March.	April.	May.	June.	July.	August.	Septber.	October.	November	December.
Diphtheria.....	21	30	24	30	32	23	10	22	15	49	66	28
Diphth croup.	4	2	2	3	1	.....	1	.....	.....	.....	2	1
Croup	2	2	1	1	.....	.....	.....	.....	.....	.....	1	1
Scarlatina.....	10	9	15	18	14	9	3	4	16	19	16	18
Typhoid Fever	....	.....	.....	.....	.....	....	2	.....	.....	2	1	.....
Measles.....	.....	.....	.....	.....	....	.....	2	....	.....	1	3	2
	37	43	42	52	47	32	18	26	31	71	89	50

Disinfection is made obligatory in cases of contagious diseases su as, Diphtheria, Diphtheritic Croup, Scarlatina, and Measles. T work is performed gratuitously by an officer of the Departme specially appointed for that purpose. Three pounds of sulph per 1000 cubic feet of space is used and the fumigation lasts for period of six hours. The presence of other diseases sometim retards the vacating of a house for disinfecting purposes and t Disinfector is then obliged to make several visits to the same hou before he is able to accomplish his task. He was obliged to ma 816 visits in order to carry out the 538 disinfections mention n the above table. The population is becoming more and mo alive to the value of disinfection.

BIRTHS AND MARRIAGES DURING THE YEAR 1890.

ACCORDING TO THE ACTS OF CIVIL STATUS SUPPLIED BY THOSE HAVING CHARGE OF THE ECCLESIASTICAL REGISTERS.

CATHOLIC CHURCHES.	Births. Sex. M.	Births. Sex. F.	Marriages.
French Canadian:			
Cathedral	1	4	109
Notre-Dame	457	457	276
St-Jacques-le-Majeur	346	329	140
St-Joseph's	259	249	95
Sacré-Cœur de Jésus	489	457	148
St-Bridget's	451	393	176
St-Charles	159	150	55
St-Vincent-de-Paul	238	235	83
St-Jean-Baptiste	323	305	97
St-Louis	124	108	37
La Nativité de la Ste-Vierge, Hochelaga	125	118	63
St-Grégoire le Thaumaturge	87	75	31
Hospice de la Maternité	145	148	.....
Sisters of Providence	....	.....	.....
Grey Nuns	59	66	.....
	3263	3094	1310
Other Catholic Churches:			
St-Patrick's	189	184	99
St-Ann's	160	149	82
St-Mary of Good Counsel	62	50	16
St-Antoine	62	47	27
St-Gabriel	78	55	29
	551	485	253

BIRTHS AND MARRIAGES DURING THE YEAR 1890.—*Continued.*

PROTESTANT CHURCHES.	Births — Sex. M.	F.	Marriages.
Churches of England.			
Christ Church (Cathedral)	15	10	17
Trinity	19	26	15
St. George	31	39	40
St. James the Apostle	22	14	9
St. Martin	21	18	11
St. Thomas	12	13	11
Grace	39	50	17
St. Stephens	35	45	22
St. Lukes'	19	34	14
Reformed Episcopal	7	5	3
St. Mary's Hochelaga	7	7	3
	227	261	162
Presbyterian Churches.			
Scotch Presbyterian	12	18	9
Knox	18	9	18
Presbyterian (Calvin)	24	21	14
St. Marks'	9	8	22
American Presbyterian	7	19	11
St. Pauls'	7	5	15
Free Presbyterian	.....	.....	.....
Erskine	4	10	5
Presbyterian (Pt. St. Charles)	43	38	12
Presbyterian (Stanley St.)	4	9	9
St. Andrews	9	6	11
Presbyterian (Crescent St.)	16	15	4
Presbyterian (French)	8	6	11
Presbyterian (Savior Church)	.....	.....	.....
Chalmers	7	8	9
Taylor	9	10	8
Redeemer	2	1	2
	179	183	160

BIRTHS AND MARRIAGES DURING THE YEAR 1890.—*Continued.*

PROTESTANT CHURCHES.	Births. Sex. M.	Births. Sex. F.	Marriages.
Methodist Churches.			
Methodist (St. Catherine St.)	16	7	22
Methodist (Mountain)	22	16	20
Methodist (Sherbrooke St.)	11	16	6
Methodist (Point St. Charles)	22	12	18
Methodist (Dominion Square)	7	11	16
Methodist (Dorchester St.)	8	14	3
Methodist (1st French)	9	5	14
Methodist (East End)	7	12	8
Methodist (West End)	.....	.....	.....
Methodist (Home Mission)	.....	.....	.....
Methodist (Douglas)	9	6	2
Methodist (French Mission)	6	3	4
Methodist (Notre Dame St. West)	.....	.....	.....
Methodist (Hochelaga)	7	13	4
Methodist (12th Circuit)	.....	1	.....
	124	116	117
Baptist Churches.			
Olivet	10	7	10
French Congregation	1	1	4
First Baptist	3	4	4
	14	12	18
Congregational Churches.			
Congregational (meets in Zion Church)	4	7	5
Congregational (meets in Calvary Church)	8	2	8
	12	9	13
Unitarian Church.			
Christian Unitarian	11	12	4
Lutheran Church.			
German Evangelical	13	8	4
Advent Church.			
Advent Christian	.....	1	.....
Montreal General Hospital	18	20	10

BIRTHS AND MARRIAGES DURING THE YEAR 1890.—*Continued.*

JEWISH CHURCHES.	Births. Sex. M.	F.	Marriages
Jewish Churches			
New Jerusalem	.....	.....	1
Jewish Religion	25	10	10
English and German	6	6	12
Temple Emmanuel	2	4	2
Polish and Russian (B'nery of Jacob)	.....	.....	.....
Emmanuel	3	3	4
	36	23	29

LISTS OF BAPTISMS FURNISHED TO THE HEALTH DEPARTMENT FROM 1886 TO 1890, BY THE DIFFERENT CHURCHES THROUGHOUT THE CITY.

CHURCHES.	1886		1887		1888		1889		1890	
	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.
Notre Dame	1290	59	1285	45	1193	70	1056	52	914	31
St-Jacques le Majeur	695	13	696	10	741	6	725	7	677	5
St-Joseph's	525	20	667	9	498	8	497	5	509	7
Sacré Cœur de Jésus	798	7	873	4	894	2	908	12	940	11
St-Bridget's	801	1	826	2	854	1	832	2	834	2
St-Charles	229	0	293	2	264	1	304	0	304	0
St-Vincent de Paul	356	7	380	5	437	8	429	2	467	6
St-Jean-Baptiste	468	2	493	2	519	6	601	1	635	6
St-Louis	.....	.....	.....	.....	61	0	217	2	232	0
Hochelaga	204	2	215	2	258	1	236	4	241	1
St-Ann's	277	4	169	4	329	1	310	2	299	1
St. Mary of Good Council	130	1	50	0	141	0	121	0	114	2
St-Grégoire	.....	.....	.....	.....	114	0	133	0	133	1
St-Antoine	73	1	88	1	93	1	94	5	115	2
St-Gabriel	.....	.....	53	2	107	0	116	1	133	0
	5846	117	6088	88	6503	105	6579	95	6547	75
Protestant Churches.										
St-George	57	0	94	0	75	0	80	1	62	
St. Jude's	.....	.....	.....	.....	44	0	103	0	51	
St-Luke's	25	0	.....	.....	40	0	.....	.....	82	
St-Thomas	.....	.....	17	0	.....	.....	.....	.....	.....	
Grace	20	0	.....	.....	.....	.....	.....	.....	.....	
Messiah	11	0		.....	.....	.....	.....	.....	.....	
St-Mark's	5	0	.....	.....	.....	.....	.....	.....	.....	
St. John Presbyterian	25	0	17	0	.....	.....	.....	.....	.....	
Crescent	3	0	.....	.....	.....	.....	.....	.....	.....	
St. Andrew's	4	0	.....	.....	.....	.....	.....	.....	.....	
St. Gabriel Presbyterian	23	0	.....	.....	.....	.....	.....	.....	.....	
St. Bartholomew	22	0	.....	.....	.....	.....	.....	.....	.....	
First French Methodist	4	0	.....	.....	.....	.....	.....	.....	.....	
West-End Methodist	11	0	.....	.....	.....	.....	.....	.....	.....	
Dominion Square Method.	5	0	.....	.....	.....	.....	.....	.....	.....	
St. Mary's	.....	.....	12	.....	.....	.....	.....	.....	.....	
	215	0	140	0	159	0	183	1	195	0

FOUNDLING HOSPITAL.

Under the direction of the Grey Nuns.

1890	Place of Birth.						Nationality.						Age.								Sex.		
	In the Refuge	St-Rose.	Coteau St-Louis.	St-Vincent-de-Paul.	St-Laurent.	St-Bonaventure.	Total.	Canadian.	English.	Irish.	Scotch.	Unknown.	Total.	Under 15 days.	Under 1 month.	Under 2 months.	Under 3 months.	From 3 m'ths to 6 m'ths	From 6 m'ths to 1 year.	From 1 year to 4 years.	Total.	Male.	Female.	Total.
January	5	1	1	1	...	...	8	7	...	1	...	...	8	3	2	1	...	...	...	...	8	4	4	8
February	14	1	2	7	1	...	25	8	2	15	...	...	25	4	6	6	2	6	...	1	25	14	11	25
March	5	1	...	3	...	...	9	4	1	4	...	...	9	2	2	...	2	3	...	...	9	6	3	9
April	7	5	...	12	...	...	24	5	1	9	...	9	24	9	6	5	1	2	1	...	24	14	10	24
May	13	...	3	10	...	...	26	14	...	12	...	...	26	2	2	2	5	3	2	...	26	11	15	26
June	6	4	...	4	...	...	14	6	...	8	...	...	14	2	1	4	4	2	...	1	14	4	10	14
July	18	3	...	11	...	...	32	12	5	8	...	7	32	7	6	9	5	4	1	...	32	12	20	32
August	19	5	...	...	2	1	27	8	...	10	...	9	27	7	8	...	...	4	1	3	27	20	7	27
September	12	5	2	...	...	...	19	3	...	6	1	9	19	7	7	...	2	1	...	1	19	14	5	19
October	23	1	3	1	...	...	28	6	4	8	1	9	28	1	14	7	3	2	...	1	28	17	11	28
November	4	1	...	...	...	...	5	...	...	1	...	4	5	3	2	...	...	...	...	...	5	1	4	5
December	11	1	1	...	...	...	13	3	3	2	...	5	13	3	7	2	1	...	...	...	13	6	7	13
Total	137	28	12	49	3	1	230	76	16	84	2	52	230	50	63	51	26	28	5	7	230	123	107	230

FOUNDLING HOSPITAL.

Under the direction of the Grey-Nuns

MORTALITY

1890	Place of death.							Nationality.							Age.								Sex.		
	Montreal.	Province of Quebec.	Province of Ontario.	North-West.	New-Brunswick.	United States.	Total.	Canadian.	English.	Irish.	Scotch.	American.	Unknown.	Total.	Under 15 days.	Under 1 month.	Under 2 months.	Under 3 months.	From 3 months to 6 months	From 6 months to 1 year	From 1 year to 4 year.	Total.	Male.	Female.	Total.
January	4	5	1	...	...	11	21	...	...	...	...	...	21	21	9	6	6	...	...	...	...	21	11	10	21
February	4	6	...	1	...	1	12	...	...	...	...	...	12	12	5	6	...	...	1	...	...	12	7	5	12
March	3	4	...	...	...	2	9	...	...	...	...	...	9	9	1	5	3	...	...	...	...	9	8	1	9
April	14	13	...	...	1	17	45	...	...	...	...	...	45	45	14	16	12	1	2	...	...	45	27	18	45
May	6	7	...	...	...	3	16	13	1	2	...	...	...	16	9	3	1	...	2	1	...	16	8	8	16
June	10	13	...	1	...	9	33	26	4	3	...	...	...	33	7	11	9	...	6	...	...	33	17	16	33
July	12	14	...	1	...	3	30	26	1	2	1	...	...	30	17	4	6	...	...	3	...	30	13	17	30
August	8	6	1	...	...	...	15	12	1	1	1	...	...	15	11	4	...	...	...	...	...	15	6	9	15
September	10	4	...	...	...	5	19	15	4	4	...	...	...	19	12	5	1	...	...	1	...	19	9	10	19
October	6	2	1	...	...	6	15	13	...	2	...	...	...	15	5	7	2	1	...	...	...	15	10	5	15
November	11	11	...	...	...	5	27	21	1	4	1	...	...	27	10	11	4	...	2	...	...	27	10	17	27
December	11	6	1	...	...	4	22	16	...	3	1	1	1	22	7	6	5	4	...	...	...	22	9	13	22
Total	99	91	4	3	1	66	264	142	8	21	4	1	88	264	107	84	49	6	13	5	...	264	135	129	264

STILL-BIRTHS BY MONTHS.

SEX.	January.	February.	March.	April	May.	June.	July.	August.	Sep'ember	October.	November.	December	Total.
Male	9	6	14	6	20	14	12	7	8	10	12	6	124
Female	4	3	5	15	6	11	6	5	8	6	4	8	76
Unknown	6	9	4	14	12	7	7	11	13	4	9	5	101
Total	19	1	23	30	38	32	25	23	29	25	25	19	301

TIME OF GESTATION.

2 months	...	..	..	...	...	....	1	.....	1	.....	2	.....	4
3 "	...	..	..	..	3	.....	.....	.....	2	1	.....	.....	6
4 "	...	..		...	2	2	..	.....	1	.....	.....	.....	6
5 "	...	1		..	3	.....	.....	.....	.....	.....	1	3	9
6 "	1	2	2	1	2	1	2	4	1	2	2	3	23
7 "	1	3	4	3	6	3	4	2	3	1	.....	.....	30
8 "	1		4	2	2	4	1	2	2	2	6	1	27
9 "	4		1	1	4	8	6	1	3	2	1	1	28
Not known	12		10	23	16	19	11	14	16	12	13	11	168
Total	19	8	23	85	38	32	25	23	29	20	25	19	301

CERTIFIED.

By physicians	17	14	19	25	35	29	23	19	25	16	22	17	261
By midwives	2	4	1	...	3	1	2	3	3	4	2	2	27
By the Coroner	...	...	3	4	...	2	.....	1	1	.....	1	...	12
Not certified	...	..	...	1	...	.....	.....	.....	.....	.....	.....	.....	1
Total	19	18	23	30	38	32	25	23	29	20	25	19	351

PREMATURE BIRTHS BY MONTHS.

SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
Male	8	7	7	9	11	9	7	6	6	10	7	7	94
Female	12	6	6	8	10	13	8	4	5	5	11	5	93
Unknown	11	11	5	5	5	12	6	6	2	4	6	6	79
Total	31	24	18	22	26	34	21	16	13	19	24	18	266

TIME OF GESTATION.

2 Months	...	...	...	...	...	...	...	...		...		...	0
3 "	...	...	...	...	1	...	1	...		...		...	2
4 "	1	...	...	...	...	...	...	1		...		...	2
5 "	4	2	2	2	2	1	...	1		...	4		20
6 "	4	2	1	5	2	6	3	...		5	3		33
7 "	7	7	2	5	2	2	3	4	2	4	2	4	44
8 "	2	4	2	1	2	3	2	2		2	2	...	23
9 "	1	1	3	...	...	1	...	1			1	...	8
Not known	12	8	8	9	17	21	12	7	8	8	12	12	134
Total	31	24	18	22	26	34	21	26	13	19	24	18	266

CERTIFIED.

By physicians	30	23	5	2	25	31	21	15	13	19	24	18	255
By midwives	1	1	3		1	3	...	1	...	...	...	...	11
By the Coroner	...	...	...		...	...	...	...	...	...	...	...	
Not certified	...	...	...		...	...	...	...	...	...	...	...	
Total	31	24	18	22	26	34	21	16	13	19	24	18	266

VITAL STATISTICS.

BIRTHS, MARRIAGES AND DEATHS FROM 1872 TO 1890, INCLUSIVELY.

Year.	Population.	Deaths.	Rate per 1000 of population.	Births.	Rate per 1000 of population	Marriages.	Rate per 1000 of population
1872	120759	4512	37.36	.....	.....	.....	
1873	123715	3716	30.03	.....	.....	.....	
1874	124745	4520	36.23	.....	.....	.....	
1875	129840	4328	33.33	.....	.....	.....	
1876	133000	4557	34.26	6558	49.53	1369	10.29
1877	134500	4715	35.05	6427	47.78	1121	8.33
1878	135000	4119	30.51	6402	47.42	1440	10.66
1879	135000	3704	27.43	.....	.....	.....	
1880	140000	3767	26.90	.....	.....	.....	
1881	143000	3888	27.18	.....	.....	.....	
1882	144000	3906	27.12	.....	.....	.....	
1883	150000	3849	25.60	.....	.....	.....	
1884	162959	4358	26.74	6728	41.28	1513	9.28
1885	167501	7825	46 71	6303	37.62	1495	8.92
1886	183504	4655	25.36	8326	45.37	1931	10.52
1887	189501	5286	27.96	8249	43.63	1984	10.46
1888	201743	5824	28.86	8658	42.91	2204	10.92
1889	210000	5588	26.60	8680	41.33	2107	10.03
1890	216,300	5365	24.80	8672	40.09	2080	9.61

BIRTHS, MARRIAGES AND DEATHS DURING THE YEAR 1890.

BIRTHS.

	Births.	Rate per 1000 of the population	Surplus of Births over Deaths
French Canadians....	6357	51.59	2581
Other Catholics.....	1036	27.19	220
Protestants.....	1279	23.25	506
Total.....	8672	40.09	3307

COMPARATIVE TABLE OF BIRTHS AND DEATHS

	French Canadians.	Other Catholics.	Protestants.
Births.....	6357	1036	1279
Deaths.....	3776	816	773
Excess of Births over Deaths.....	2581	220	506
Increase per 1000 of the population.....	20.94	5.77	9.19

MARRIAGES.

	Marriages.	Rate per 1000 of the population.
French Canadians.....	1310	10.63
Other Catholics.....	253	6.64
Protestants.....	517	9.39
Total.....	2080	9.61

MORTALITY.

	Deaths.	Population.	Rate per 1000 of the population.
French Canadians	3776	123,200	30.64
Other Catholics	816	38,090	21.42
Protestants	773	55,010	14.05
Total	5365	216,300	24.80

DEATHS BY SEX.

Male	2713
Female	2652
Total	5365

SOCIAL CONDITION.

Married	1072
Widowers	182
Widows	334
Single	582
Children	3195
Total	336

MORTALITY BY MONTHS

		January.		February.		March.		April.		May.	
		Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Porportion per cent.
French-Canadians.	Under 5 years.....	195	45.77	127	55.21	133	56.11	184	56.61	182	58.14
	Above 5 years....	231	54.23	103	44.78	104	43 88	141	43.38	131	41.85
Other Catholics.	Under 5 years.....	26	25.00	12	20.33	22	33.84	22	40.00	17	29.31
	Above 5 years....	78	75 00	47	79.66	43	66.15	33	60.00	41	70.68
Protestants.	Under 5 years.....	29	26.12	18	32.14	27	44 26	16	25.00	31	37.80
	Above 5 years.....	82	73.87	38	67.85	34	55.73	48	55.73	51	62.19

AND BY NATIONALITY.

June.		July.		August.		September		October.		November		December.	
Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
343	74.24	296	72.72	201	63.40	183	61.82	152	58.46	144	61.27	160	59.70
119	25.75	111	27.27	116	36.59	113	38.17	108	41.53	91	38.72	108	40.29
40	48.78	47	56.62	34	51.51	36	50.70	20	31.74	17	37.77	23	35.38
42	51.21	36	43.37	32	48.48	35	49.29	43	68 25	28	62.22	42	64.61
27	45.00	36	57.14	26	43.33	20	36.36	25	40.98	13	33.33	22	36.06
33	55.00	27	42.85	34	56.66	35	63.63	36	59.01	26	66.66	39	63.93

MORTALITY ACCORDING TO AGES.

Ages.	Catholics.		Protestants.	Total.	Proportion per cent. of the total mortality.	
	French Canadians.	Other Catholics.				
Under 6 months..	1097	128	122	1347	25.10	
From 6 mths to 1 year	489	84	65	638	11.89	54.16
From 1 to 5 years.....	714	104	103	921	17 16	
From 5 to 10 "	147	27	34	208	3.87	
From 10 to 15 "	52	10	24	86	1.60	
From 15 to 20 "	85	26	25	136	2.53	
From 20 to 30 "	204	58	75	337	6.28	
From 30 to 40 "	221	59	53	333	6.20	
From 40 to 50 "	162	66	59	287	5.34	45.83
From 50 to 60 "	146	62	57	265	4 93	
From 60 to 70 "	158	78	66	302	5.62	
From 70 to 80 "	176	69	60	305	5.68	
From 80 to 90 "	103	39	26	168	3.13	
From 90 to 100 "	22	6	4	32	0.59	
100 Years and over.....	.....	.....	.....	.....		
Unknown..	.....	.....	.....	.....		
Total	3776	816	773	5365		

MORTALITY ACCORDING TO AGES.—*Continued.*

	Mortality under 5 years.	Proportion per cent of the total deaths.	Mortality above 5 years.	Proportion per cent of the total deaths.
French Canadians.....	2300	60.91	1476	39.08
Other Catholics.....	316	38.72	500	61.27
Protestants.....	290	37.51	483	62.48
Total.....	2906	54.16	2459	45.83

Of the 3776 deaths amongst the French Canadians, 2300 were under 5 years; 284, from 5 to 20 years; 891, from 20 to 70 years; and 301 from 70 to 100 years.

Amongst the other Catholics, 316 were under 5 years; 63 from 5 to 20 years; 323 from 20 to 70 years; and 114 from 70 to 100 years.

Of the 773 Protestants, 290 were under 5 years; 83 from 5 to 20 years; 310 from 20 to 70 years; and 90, from 70 to 100 years.

Amongst the French Canadians, the mortality was 60.91 per cent. under 5 years of age; and 39.08 per cent. above that age.

Amongst the other Catholics, the mortality under 5 years of age was 38.72 per cent; and above that age, 61.27 per cent.

Amongst the Protestants, the mortality under 5 years of age was 37.51, per cent. and above that age 62.48 per cent.

Of the total mortality, the deaths under 5 years of age formed 54.16 per cent., and above that age 45.83 per cent.

MORTALITY BY WARDS, ETC.

WARDS, HOSPITALS, ETC.	Population.	Mortality by all causes.	Mortality per 1000 of the population of each ward.	Diphtheria.	Typhoid Fever	Diarrhœal Diseases.	Phthisis.	Area of wards in acres.
St. Ann's	28,535	492	17.24	14	1	54	54	732.75
St. Antoine	47,699	687	14.40	13	9	48	69	1062.33
St. Lawrence	18,545	282	15.20	4	6	19	34	301.50
St. Louis	25,005	506	20.23	15	5	76	62	242.00
St. James	31,718	861	27.14	19	6	141	81	381.00
St. Mary's	30,638	1048	34.20	32	9	113	75	621.00
West	3,349	7	2.09	.....	.....	.....	.....	54.33
Centre	1,591	20	12.57	.....	.....	1	3	42.00
East	4,690	78	16.63	.....	3	9	4	57.16
Hochelaga	7,107	138	19.41	5	2	35	15	1230.00
St. Jean-Baptiste*	9,900	532	53.73	33	3	112	43	308.00
St. Gabriel	7,523	272	36.15	27	2	31	33	330.00
Unknown	.....	2	.....	.....	.....	.....	.....	.....
Total	216,300	4925		162	46	670	473	5362.07
Hotel-Dieu	.....	149	.....	1	7	1	37	.....
Notre-Dame Hospital	.....	63	.....	.....	5	.....	11	.....
Montreal General Hospital	.....	111	.....	7	3	1	24	.....
Other Institutions	.....	117	.....	.....	1	1	5	.....
Total	.....	5365	.....	170	62	673	550	.....

* In another part of this report the method adopted in estimating the population of the city has been explained. In estimating the population by wards, the same principle has been followed there being no other means of calculating the actual number of inhabitants. But, with respect to St. Jean-Baptiste ward, it has been claimed that the population there has increased greatly beyond the natural rate, it being held that the ward has developed in an extraordinary manner since annexation and that if the actual population were known it would be established that the abnormal death-rate attributed to that quarter of the city at present, is erroneous.

We quite agree that there are grounds for such a pretention, the ward having been considerably built up within the last few years.

It has been stated that the census returns, which we trust will soon be published, will give St. Jean-Baptiste Ward a population of 17000. If our calculations were based upon that figure, the death-rate would be 31.29 per 1000, instead of the rate given above.

ST. JEAN-BAPTISTE WARD.

The highest mortality took place in this ward, namely, 532 deaths, giving a rate of 53.73 per 1000 of its population, and a proportion of 9.91 per cent. of the total mortality of the city. 19.41 per cent. of the total mortality from Diphtheria and 4.83 per cent. of the total mortality from Typhoid Fever occurred in this district.

ST. MARY'S WARD

The next high mortality took place in this ward, namely, 1048 deaths, giving a rate of 34.20 per 1000 of the population and a proportion of 19.53 per cent. of the total city mortality. 18.82 per cent. of the total deaths from Diphtheria and 14.51 per cent. of the deaths from Typhoid Fever occurred in this part of the city.

ST. GABRIEL WARD.

There were 272 deaths in this ward, or 36.15 per 1000 of its population, or 5.06 per cent. of the total city mortality. 15.88 per cent. of the total number of deaths from Diphtheria and 3.22 per cent. of those from Typhoid Fever occurred in this district.

ST. JAMES WARD.

The number of deaths in this ward amounted to 861, or 27.14 per 1000 of its population, or 16.04 per cent.of the total city mortality. 11.17 per cent. of the total deaths from Diphtheria and 9.67 per cent. of those from Typhoid Fever occurred in this district.

ST. LOUIS WARD.

The 506 deaths in this ward give a rate of 20.23 per 1000 of its population, or 9.43 per cent. of the total city mortality. The proportion of deaths from Diphtheria was 8.82 per cent.and that from Typhoid Fever 8.06 per cent.

HOCHELAGA WARD.

There were 138 deaths in this ward, or 19.41 per 1000 of its population,or 2.57 per cent. of the total city mortality. The percentage of deaths from Diphtheria was 2.94, and that from Typhoid Fever 3.22.

EAST WARD.

Seventy eight deaths occurred in this ward, giving a rate of 16.63 per 1000 of its population, or 1.45 per cent. of the total city

mortality. There were no deaths from Diphtheria; the percentage of deaths from Typhoid Fever was 4.83.

ST. LAWRENCE WARD.

The mortality in this ward amounted to 282, or 15.20 per 1000 of its population, or 5.25 per cent of the total deaths in the city. The percentage of deaths from Diphtheria was 2.35 and that from Typhoid Fever 9.67.

ST. ANNE'S WARD.

There were 492 deaths in this ward, or 17.24 per 1000 of its population, or 9.17 per cent. of the total city mortality. 8.23 per cent. of the total number of deaths from Diphtheria and 1.61 per cent. of those from Typhoid Fever occurred in this district.

ST. ANTOINE WARD.

There were 687 deaths in this ward, or 14.40 per 1000 of its population, or 12.80 per cent. of the total city mortality. 7.64 per cent. of the total deaths from Diphtheria and 14.51 per cent. of those from Typhoid Fever occurred here.

CENTRE WARD.

Twenty deaths took place in this ward, or 12.57 per 1000 of its population, or 0.37 per cent. of the total city mortality. No deaths occurred here either from Diphtheria or Typhoid Fever.

WEST WARD.

There were 7 deaths in this ward, or 2.09 per 1000 of its population, or 0.13 per cent of the total city mortality. There were no deaths in this district from Diphtheria or Typhoid Fever.

MORTALITY BY MEASLES.

NATIONALITY.	Under 6 months.	Fr. 6 m'ths to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
French Canadians	1	9	39	3	1	...	...	...	...	...	...	...	...	...	...	...	53
Other Catholics	..	3	7	2	...	...	...	...	...	...	...	...	...	...	...	...	12
Protestants	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	..	2
Total	1	12	48	5	1	...	...	...	...	...	...	...	...	...	...	..	67

WARDS, HOSPITALS, ETC.

St-Ann's	8
St-Antoine	7
St-Lawrence	5
St-Louis	6
St-James	14
St-Mary	21
West	0
Centre	0
East	1
Hochelaga	0
St-Jean-Baptiste	2
St-Gabriel	2
Total	66
Hotel-Dieu	0
Notre-Dame Hospital	0
Montreal General Hospital	0
Other Institutions	1
Grand Total	67

MORTALITY BY SCARLATINA.

NATIONALITY.	Under 6 months.	Fr. 6 mths to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
French-Canadians	...	...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	6
Other Catholics	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Protestants	...	1	3	2	1	1	...	...	...	...	...	...	...	...	...	...	8
Total	...	1	8	4	2	1	...	...	...	...	...	...	...	—	...	...	16

WARDS, HOSPITALS, ETC.

St. Ann's	1
St. Antoine	3
St. Lawrence	1
St. Louis	3
St. James	0
St. Mary's	1
West	0
Centre	0
East	0
Hochelaga	1
St. Jean-Baptiste	3
St. Gabriel	2
Total	15
Hotel-Dieu	0
Notre-Dame Hospital	0
Montreal General Hospital	1
Other Institutions	0
Total	16

MORTALITY BY DIPHTHERIA.

AGES.

		Under 6 months.	From 6 m'ths to 1 year	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
CATHOLICS.	FRENCH CANADIANS	1	5	69	32	3												110
	OTHER CATHOLICS		1	8	13	1	1											24
	PROTESTANTS	1	2	23	7	1	1	1										36
	Total	2	8	100	52	5	2	1										170

MORTALITY BY DIPHTHERIA.—*Continued.*

Wards, Hospitals, Etc,

St-Ann's	14
St-Antoine	13
St-Lawrence	4
St-Louis	15
St-James	19
St-Mary's	32
West	0
Centre	0
East	0
Hochelaga	5
St-Jean-Baptiste	33
St Gabriel	27
Total	162
Hôtel-Dieu	1
Notre-Dame Hospital	0
Montreal General Hospital	7
Other Institutions	0
Total	170

MORTALITY BY TYPHOID FEVER.

AGES.

		Under 6 months.	From 6 months to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over	Unknown.	Total.
CATHOLICS.	FRENCH CANADIANS	.....	1	4	3	3	4	12	6	3	1	1	.....	.....	.....	.....	.....	38
	OTHER CATHOLICS	.....	.....	.....	.....	.....	5	1	1	.....	.....	.....	1	.....	.....	.....	.....	8
	PROTESTANTS	.....	.....	.....	1	1	.....	9	2	1	.....	2	.....	.....	.....	.....	.....	16
	Total	.....	1	4	4	4	9	22	9	4	1	3	1	.....	.....	.....	.....	62

MORTALITY BY TYPHOID FEVER.—*Continued.*

WARDS, HOSPITALS, ETC.

St. Ann's	1
St. Antoine	9
St. Lawrence	6
St. Louis	5
St. James	6
St. Mary's	9
West	0
Centre	0
East	3
Hochelaga	2
St. Jean-Baptiste	3
St. Gabriel	2
Total	46
Hotel-Dieu	7
Notre-Dame Hospital	5
Montreal General Hospital	3
Other Institutions	1
Total	62

MORTALITY BY CERTAIN CAUSES.

DISEASES.	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890
Small-pox	509	703	506	728	472	140	5	.....	.....	.....	3164	70	.....	.....	.....	.....
Measles	66	6	58	2	5	78	12	18	33	17	142	11	74	37	108	65
Scarlatina	197	42	33	29	22	43	47	54	39	16	42	22	10	9	19	16
Diphtheria	32	122	318	201	124	106	163	163	155	285	306	257	488	427	200	170
Typhoid Fever	92	104	103	69	63	67	103	106	104	88	77	79	101	94	72	62
Dysentery	22	38	45	24	28	22	35	28	22	26	18	24	25	43	31	19
Diarrhœa	232	294	348	159	348	279	287	397	273	349	256	266	409	392	476	328
Cholera infantum	211	240	199	176	105	153	161	134	190	255	185	247	306	305	298	326
Dentition	106	114	131	102	69	85	85	66	76	70	82	74	74	78	107	100
Phthisis	362	413	450	410	379	434	403	440	431	467	412	484	470	539	520	550

ELEVEN PRINCIPAL CAUSES OF DEATH BY MONTHS.

Diseases.	January.	February.	March.	April.	May.	June.	July.	August	September.	October.	November.	December.	Total.
Diphtheria	14	16	12	13	13	10	8	14	9	22	22	17	170
Typhoid Fever	.....	.....	8	1	2	2	4	7	13	10	8	7	62
Dysentery	2	.....	1	.....	.....	2	3	5	2	4	...	...	19
Diarrhœa	4	4	3	9	3	78	91	52	47	24	10	3	328
Cholera Infantum	4	1	2	2	3	101	117	53	32	9	2	...	326
Dentition	4	10	5	17	13	18	7	6	10	4	1	5	100
Phthisis	93	51	54	52	53	42	39	33	44	38	21	30	550
Convulsions	17	13	20	12	12	8	8	7	8	15	7	8	135
Pneumonia	108	34	28	42	48	30	10	12	10	12	27	26	387
Bronchitis	48	14	16	31	31	14	7	9	9	19	22	31	251
Debility	67	33	32	42	60	57	43	53	42	46	24	48	547

MORTALITY BY MONTHS.

Months.	1889		1890	
	Mortality.	Mean Temperature	Mortality.	Mean Temperature
January	378	21.23	641	14.86
February	390	10.59	345	19.08
March	396	28.70	363	26.51
April	453	43.34	444	40.01
May	450	56.95	453	51.59
June	634	62.91	604	64.45
July	734	67.97	553	68.57
August	542	64.97	443	64.82
September	595	59.93	422	57.79
October	392	40.15	384	45.85
November	333	34.29	319	31.71
December	291	23.79	394	7.14
	5588	42.90	5365	41.03

The most healthy month of the year was November, during which there were only 319 deaths, or 14 less than in the corresponding month of the preceding year. The mean daily number of deaths was 10.63 or 0.47 less than in November of the preceding year. The mean temperature was 31.71, or 2.58 lower than in the corresponding month of 1889.

The most unhealthy month was January, during which 641 deaths occurred, or 263 more than in January, 1889. The mean daily number of deaths was 20.67 or 12.19 more than in the corresponding month of the preceding year. The mean temperature was 14.86, or 6.37 lower than in 1889.

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFLUENCED BY THE SEASONS.

DISEASES BY WARDS.

1890.

Diseases.	St. Mary's.	St. James.	St. Louis.	St. Jean-Baptiste.	St. Antoine.	St. Ann's.	St. Lawrence.	St. Gabriel.	Hochelaga	East.	Centre.	West.	Total.
Athrepsia	3	2	1	1	1	3	1	2	0	0	0	0	14
Cholera Infantum	58	66	46	61	14	19	9	20	26	2	0	0	321
Diarrhœa *	148	91	36	58	41	35	15	28	13	7	1	0	473
Marasmus	2	2	1	3	2	8	3	2	0	0	0	0	23
Dentition	15	14	6	23	14	9	1	13	2	1	1	0	99
Debility	91	83	35	33	42	16	18	11	23	5	2	0	359
Convulsions	23	20	15	19	13	14	4	6	2	1	0	0	117
Cerebritis	1	0	1	1	2	1	0	0	0	0	0	0	6
Meningitis	64	44	30	37	31	26	13	6	2	9	3	2	267
Total	405	322	171	236	160	131	64	88	68	25	7	2	1679

* This cause comprises the deaths by enteritis as well as those by diarrhœa properly so called.

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFLUENCED BY THE SEASONS.

AGES AND WARDS.

AGES.	St-Mary's.	St-James.	St-Louis.	St-Jean-Baptiste.	St-Antoine.	St-Ann's.	St-Lawrence.	St-Gabriel.	Hochelaga	East.	Centre.	West.	Total.
Under 6 months	216	188	103	122	94	63	33	43	43	14	3	0	922
From 6 months to 1 year	116	84	42	73	43	32	13	19	14	6	2	0	444
From 1 to 5 years	73	50	26	41	23	36	18	26	11	5	2	2	313
Total in 1890	405	322	171	236	160	131	64	88	68	25	7	2	1679
Total in 1889	494	341	228	214	205	151	118	97	78	31	5	2	1964

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFLUENCED BY THE SEASONS.

AGES, DISEASES AND WARDS.

Wards:	St. Mary's.										St. James.										St. Louis.										St. Jean-Baptiste										
	Athrepsia.	Cholera Inf'tum.	Diarrhœa & Enteritis.	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Meningitis.	Total	Athrepsia.	Cholera Inf'tum.	Diarrhœa & Enteritis.	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Meningitis	Total.	Athrepsia.	Cholera Inf'tum.	Diarrhœa & Enteritis.	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Meningitis.	Total.	Athrepsia.	Cholera Inf'tum	Diarrhœa & Enteritis.	Marasmus.	Dentition.	Debility.	Convulsions.	Cerebritis.	Meningitis.	Total.	Grand total.
Under 6 months....	2	28	83	1	2	71	11	1	17	216	1	35	51	1	1	74	8	...	17	188	1	28	25	1	...	29	6	...	13	103	...	33	31	3	6	27	8	1	11	120	
From 6 m. to 1 year	1	18	51	1	7	8	5	...	25	116	1	24	29	1	9	5	4	...	11	84	...	13	9	...	4	4	5	...	7	42	...	24	21	...	10	5	...	...	14	74	
From 1 to 5 years..	...	12	14	...	6	12	7	...	22	73	...	7	11	...	4	4	8	...	16	50	...	5	2	...	2	2	4	1	10	26	1	4	6	...	7	1	11	...	12	42	
Total	3	58	148	2	15	91	23	1	64	405	2	66	91	2	14	83	20	...	44	322	1	46	36	1	6	35	15	1	30	171	1	61	58	3	23	33	19	1	37	236	1134

Wards:	St. Antoine.										St. Ann's.										St. Lawrence.										St. Gabriel.										
Under 6 months....	1	6	23	1	3	40	6	1	3	94	3	7	22	6	...	13	7	...	5	63	1	5	11	2	...	10	3	...	1	33	1	10	18	2	...	9	1	...	1	42	
From 6 m. to 1 year	...	6	14	1	7	1	5	.	8	43	...	8	7	1	6	2	3	...	5	32	...	1	2	1	1	5	1	...	2	13	...	5	5	...	6	1	2	...	1	20	
From 1 to 5 years..	...	2	4	...	4	1	2	...	10	23	...	4	6	1	3	1	4	1	16	36	...	3	2	...	...	3	...	...	10	18	1	5	5	...	7	1	3	...	4	26	
Total.....	1	14	41	2	14	42	13	2	31	160	3	19	35	8	9	16	14	1	26	131	1	9	15	3	1	18	4	...	13	64	2	20	28	2	13	11	6	...	6	88	443

Wards:	Hochelaga.										East.										Centre.										West.										
Under 6 months....	...	19	5	...	...	18	1	...	...	43	...	1	6	...	...	5	...	...	2	14	...	...	1	...	...	2	...	...	...	3	...	...	...	...	...	...	...	...	...	...	.....
From 6 m. to 1 year	...	4	4	...	2	3	1	...	...	14	...	1	1	...	...	...	1	...	3	6	...	...	...	...	1	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	.....
From 1 to 5 years..	...	3	4	...	...	2	...	...	2	11	...	...	...	...	1	...	...	...	4	5	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	...	2	2	
Total.....	...	26	13	...	2	23	2	...	2	68	...	2	7	...	1	5	1	...	9	25	...	...	1	...	1	2	...	...	3	7	...	...	...	...	...	...	...	...	2	2	102

Grand total..... 1679

MORTALITY OF CHILDREN UNDER 5 YEARS OF AGE BY DISEASES INFLUENCED BY THE SEASONS.

DISEASES BY MONTHS.

Diseases.	January.	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Athrepsia	0	0	0	0	0	0	2	0	6	2	1	3	14
Cholera Infantum	4	1	2	2	3	100	114	52	32	9	2	0	321
Diarrhœa and Enteritis	11	7	11	14	10	108	123	63	73	35	9	9	473
Marasmus	0	1	0	1	2	2	2	2	6	3	3	1	23
Dentition	4	10	5	17	13	18	7	6	10	4	1	* 4	99
Debility	35	23	22	26	40	44	35	36	20	31	16	31	359
Convulsions	13	14	19	9	12	7	6	4	5	14	6	8	117
Cerebritis	2	2	0	0	0	1	0	0	0	0	0	1	6
Meningitis	31	17	31	23	14	32	18	24	29	23	9	16	267
Total	100	75	90	92	94	312	307	187	181	121	47	73	1679

* 1 Protestant aged 1 year who died from Dentition in the Montreal General Hospital, not included.

N. B.—The causes of death in the foregoing tables are given as they appear in the physicians' certificates the nomenclature being modified only when necessary to meet the requirements of the general classification.

MORTALITY FROM ALL CAUSES BY MONTHS.

1890	January.	February.	March.	Total.	April.	May.	June.	Total.	July.	August.	September.	Total.	October.	November.	December.	Total.	Grand Total
Small-pox	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Measles	.....	.....	2	2	.....	7	4	11	3	3	1	7	4	20	21	45	65
Scarlatina	2	1	.....	3	3	1	.....	4	.....	1	2	3	1	4	1	6	16
Diphtheria	14	16	12	42	13	13	10	36	8	14	9	31	22	22	17	61	170
Croup	12	8	5	25	7	11	5	23	5	1	.....	6	10	8	14	32	86
Hooping-cough	20	8	8	36	5	5	6	11	6	6	.....	12	2	5	3	11	73
Typhoid Fever	.....	.....	8	8	1	2	2	5	4	7	13	24	16	8	7	25	62
Cerebro-spinal Meningitis	2	3	.....	5	.....	.....	.....	.....	1	.....	2	3	3	3	2	8	16
Erysipelas	1	1	2	4	2	3	1	6	.....	1	.....	1	2	.....	1	3	14
Other Fevers	2	2	1	5	3	2	2	7	4	.....	.....	4	2	.....	1	3	19
Grippe	24	8	1	33	.....	2	2	4	.....	1	.....	1	.....	1	1	2	40
Dysentery	2	.....	1	3	.....	.....	2	2	3	5	2	10	4	.....	.....	4	19
Diarrhœa	4	4	3	11	9	3	78	90	91	52	47	190	24	10	3	37	328
Cholera Infantum	4	1	2	7	2	3	101	106	117	53	32	202	1	2	.....	11	326
Choléra Canadensis	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	3	.....	.....	.....	.....	3
Other Zymotic diseases	6	2	1	9	7	2	8	17	9	3	8	20	7	2	9	18	64
Total, 1st class	93	54	46	193	52	52	221	325	253	147	117	517	101	85	80	266	1301
Cancer	5	3	5	13	6	5	7	18	5	9	6	20	9	4	10	23	74
Phthisis	93	51	54	198	52	53	42	147	39	33	44	116	38	21	30	89	550
Other Constitutional diseases	9	17	18	44	18	20	12	50	15	10	13	38	8	18	17	43	175
Total, 2nd class	107	71	77	255	76	78	61	215	59	52	63	174	55	43	57	155	799

Encephalitis	42	22	35	99	39	24	41	104	23	32	34	89	29	15	24	68	366
Apoplexy	5	3	3	11	4	11	3	18	3	5	2	10	5	.....	2	7	46
Paralysis	12	3	6	21	10	11	7	28	13	7	11	31	7	5	13	25	105
Convulsions	17	13	20	50	12	12	8	32	8	7	8	23	15	7	8	30	135
Other diseases of the Nervous system	13	7	7	27	13	8	16	37	9	10	6	25	7	10	13	30	119
Heart diseases	32	23	17	72	25	27	24	76	17	27	19	63	27	13	20	60	271
Other diseases of the Circulatory organs	3	5	10	18	4	4	1	9	2	2	1	5	2	.....	1	3	35
Bronchitis	48	14	16	78	31	31	14	76	7	9	9	25	19	22	31	72	251
Pneumonia	108	34	28	170	42	48	30	120	10	12	10	32	12	27	26	65	387
Other diseases of the Respiratory organs	29	10	13	52	12	11	5	28	6	6	5	17	4	14	10	28	125
Enteritis	10	5	12	27	7	9	38	54	34	21	33	88	13	6	7	26	195
Other diseases of the Digestive organs	15	11	9	35	15	14	19	48	12	8	14	34	15	9	11	35	152
Diseases of the Urinary organs	9	6	5	20	13	13	14	40	10	10	10	30	2	12	8	22	112
Other Local diseases	1	1	2	4	5	6	6	17	2	5	4	11	2	6	4	12	44
Total, 3rd class	344	157	183	684	232	229	226	687	156	161	166	483	159	146	178	483	2337
Dentition	4	10	5	19	17	13	18	48	7	6	10	23	4	1	5	10	100
Senility	10	4	5	19	4	3	1	8	3	5	2	10	4	1	3	8	45
Debility	67	33	32	132	42	60	57	159	43	53	42	138	46	24	48	118	547
Asphyxia Neonatorum	.....	3	5	8	6	4	4	14	8	4	8	20	8	3	6	17	59
Other Developmental diseases	1	7	5	13	8	7	6	21	9	2	3	14	.....	3	6	9	57
Total, 4th class	82	57	52	191	77	87	86	250	70	70	65	205	62	32	68	162	808
Accidental	7	5	3	15	6	4	9	19	12	11	6	29	4	5	2	11	74
Chirurgici	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Otherwise	4	.....	2	6	1	1	.....	2	1	.....	.....	1	1	1	1	3	12
Unknown	3	1	.....	4	.....	2	1	3	2	2	5	9	2	7	8	17	33
Total, 5th class	15	6	5	26	7	7	10	24	15	13	11	39	7	13	11	31	120
Grand Total	641	345	363	1349	444	453	604	1501	553	443	422	1418	384	319	394	1097	5365

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REPORT

ON THE

SANITARY STATE

OF THE

CITY OF MONTREAL

ALSO

AN ACCOUNT OF THE OPERATIONS OF THE BOARD OF HEALTH
AND THE VITAL STATISTICS

FOR THE YEAR 1891

BY

LOUIS LABERGE
Medical Health Officer.

Historical Society
OF WISCONSIN
MADISON - WIS.

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OF WISCONSIN
MADISON,

BOARD OF HEALTH

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D. TANSEY,

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Dr. Louis LABERGE, *Medical Health Officer.*

ISAIAH C. RADFORD, *Sanitary Inspector.*

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Milk Inspector.

C. DROUIN, V. S.

Clerks.

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J. E. CODERRE, JULES CRÉPEAU, *Message boy.*

Sanitary Police.

JOSEPH E. DUROCHER, *sergeant;* J. B. CARDINAL, *special;* TERENCE BUTLER, died in May 1891, replaced by P. PAUL BENOIT; MÉDÉRIC CHAGNON, W. MATHIEU, J. FRANCIS QUINN, ADOLPHE CATELLIER, JACQUES SÉVIGNY, PIERRE NADEAU, FRANCIS O'REILLY, JOSEPH N. PROULX, THOMAS KANE and LOUIS LAMARRE.

A. MILETTE, *Disinfecting officer.*

Meat Inspectors.

City.		*Abattoirs.*
GEORGE FULLUM, *deceased replaced by H. Poitras.*	A. HAMALL,	B. MCSHANE, A. BAYARD.

Guardians of the Public Baths.

St. Helen's Island.	*Wellington.*	*Hochelaga.*
GEORGE LESSARD.	JAMES GAFFNEY.	O. BROUILLETTE.

To the Chairman and Members of the Board of Health.

GENTLEMEN,

I have the honor to submit to you my seventh annual report upon the sanitary state of the City of Montreal, namely, that for the year 1891.

There were 5391 deaths during the year which, with a population of 218,268, gives a death rate of 24.24 per 1000, or 0 56 less than in the preceding year and 2.47 less than the average for the preceding five years.

There was a considerable falling off in the deaths from the following (some of the most important preventible diseases): Diphtheria, 93 less than the preceding year; Croup, 28 less; Whooping Cough, 37 less; Scarlatina, 6 less; Measles, 10 less. Typhoid Fever alone showed an increase and that a slight one, namely, 3 deaths.

There were 9576 births, or 43.87 per 1000 of the population, over 26 births daily. This is the highest birth rate we have had since 1886, when the rate was 45.3 per 1000. As compared with 1890, we find an increase this year of 3.78 per 1000, or 1.23 per 1000 over the rate for the preceding five years.

Comparing our death rate with that of other cities we find, as follows: That our rate exceeds that of London (Eng), by 2.8 per 1000, that of Paris by 2 6 per 1 00, that of Edinburgh, by 2.6 per 1000 and that of Brussels by 1.1 per 1000 Our rate, however, is exceeded by that of Vienna by 0.3 per 1000, Moscow, 12.8; Breslau, 5.0; Munich, 3.4; Preston, 3.1; Liverpool, 2.8; New Orleans, 2.8; Manchester, 2.3; Dublin, 2.3; Salford, 1.8; New-York, 1.8; Glasgow, 1.1; Brooklyn, 0.5.

Amongst the most important measures inaugurated this year, was the opening of a register for the civil registration of unbaptised children, which affords a mean of obtaining a knowledge of a number births which hitherto could not be had, and renders our calculations respecting the birth rate more exact. The legislators who were the means of adding article 53A to the civil code deserve our thanks for having supplied an important want in the system of registration of acts of civil status.

Your Board hastened to take advantage of this new privilege and caused those interested to conform to the law.

Your Board had also to enforce the new by-law concerning the removal of manure, sanctioned on the 4th of June by the Council.

The approbation of all intelligent citizens is due your Board for the attitude you assumed in reference to the stopping of the

water as a means of enforcing the payment of the water tax, and for your energetic protest against that method. The report to Council on the subject points out that water is one of the most essential elements necessary to maintain a city in a healthy state, and that the stoppage of the supply is not only inhuman but also constitutes a grave danger to the health of families and the healthfulness of dwellings.

The contract for the removal and incineration of the offal having terminated at the beginning of August, this year, a committee was appointed to make a new study of the matter and to prepare plans and specifications of the most improved apparatus for the incineration of garbage. Information was obtained from the authorities of the principal cities of the United-States. The incinerators most in use in that country are the Engle, the Rider and the Merz systems. The first mentioned, like the incinerators in England, has a cremator at the foot of the chimney to destroy smell and smoke; the second, which is in use in Pittsburg where natural gas is employed for combustion, has no cremator; the third operates like an apparatus for the manufacture of illuminating gas, the garbage being put into a closed compartment and destroyed by heating to a high temperature. The sale of the fatty matters obtained pays the cost of the latter method.

However, the incinerators used in England, especially those of Fryer and of Manlove & Co., appear to meet the wants of this city better than the American systems. It seems to be a recognized fact that they are the most effective for the destruction, at a low cost, of the offal mixed with ashes as well as the fœcal matter which serves as a fuel once the furnace is started. They are in use in Leicester, Battersea, Branford, Liverpool, etc.

But when all this information was obtained, the year was so advanced that the Council decided to extend the present contract so as to give time to select suitable sites for the incinerators. It is probable that the preference will be in favor of the English system.

This year, as in preceding years, we can congratulate ourselves upon having escaped a visitation of small-pox. The only case that reached the city was brought by the steamship *Brazillian*, which despite the quarantine regulations came up to Montreal. The patient was promptly placed in the Civic Hospital and no other cases followed. Later, however, small pox having made its appearance in the Province, your Board thought proper to cause a census to be taken of all unvaccinated persons throughout the city, as explained in a special article in the course of this report. The fear of seeing Montreal again visited by an epidemic, like that of 1885, gave occasion for the drafting of a by-law for the abolition of privies, a statement of the number of which was prepared in order to show the urgency of the measure.

CITY MEAT INSPECTION.

A. HAMALL, H POITRAS, } *Inspectors.*

TABLE SHOWING THE NUMBER OF CONFISCATIONS.

	Beef.	Veal.	Mutton.	Pork.	Fowl.	Pudding.	Liver.	Fish.	Unfit for food.
January	60 lbs.	30 lbs.	.....	15 lbs.	15	.....	.....	.....	"
February	.....	213 "	.....	10 "	11	.....	.....	.....	"
March	110 lbs.	516 "	10 lbs.	5 "	14	.....	.....	.....	"
April	10 "	251 "	.....	15 "	25	28 lbs.	.....	.....	"
May	.....	123 "	.....	10 "	16	16 "	.....	.....	"
June	22 lbs.	110 "	50 lbs.	35 "	30	25 "	.....	110 lbs.	"
July	185 "	45 "	25 "	45 "	39	10 "	.....	100 "	"
August	125 "	10 "	40 "	18 "	55	18 "	2 lbs.	50 "	"
September	225 "	.....	.....	28 "	32	.....	.....	20 "	"
October	160 "	.....	.....	88 "	33	.....	2 lbs.	10 "	"
November	70 "	16 lbs.	.....	30 "	24	.....	2 "	.....	"
December	83 "	24 "	.....	22 "	29	12 lbs.	4 "	.....	"
	1050 lbs.	1338 lbs.	125 lbs.	321 lbs.	323	109 lbs.	10 lbs.	290 lbs.	

EASTERN ABATTOIR.

ALPHONSE BAYARD, *Inspector.*

ANIMALS SLAUGHTERED FROM THE 1st OF JANUARY 1891 TO THE 1st JANUARY 1892.

1891.	CATTLE.	SHEEP.	CALVES.	HOGS.
January	989	706	91	
February	777	341	233	During the year.
March	795	265	540	
April	906	521	1778	
May	1314	2063	3339	
June	1118	2952	1944	
July	1332	4154	1239	
August	1723	6188	943	
September	1509	5522	379	
October	1991	6571	256	
November	1544	4042	114	
December	1292	3503	77	7200
Total	15290	36828	10933	7200

ANIMALS AND MEAT CONFISCATED DURING THE YEAR 1891.

9 Cattle—3 on account of being affected with general tuberculosis.
23 Sheep.
360 Calves—The most for being still-born, and the rest for being too young.
15 Hogs—4 on account of being diseased ; the balance for having died from natural causes.
1980 lbs. of bruised meat.

All the animals and meat confiscated were immediately cast into the rendering vessels of the abattoir company in the presence of two witnesses, the fat alone being utilized.

ALPH. BAYARD, *Inspector.*

CIVIL REGISTRATION OF THE BIRTHS OF UNBAPTISED CHILDREN.

To Montreal belongs the credit of taking the initiative in putting into operation Article 53A of the civil code which authorizes municipalities to register the births of unbaptised children. Before the sanction of the above mentioned article, clergymen having charge of congregations were the only persons authorized to act as officers for the registration of acts of civil status. The registration of baptism took the place of a declaration of birth, and the law provided no means for the civil registration. It is said of the father of a certain family that he had no other means of authenticating the birth of his legitimate heirs, than by the drawing up of a special act before a notary. The formula of the document was that of a will, and each birth necessitated a codicil which rendered the proceeding rather costly besides the trouble it involved.

It was to supply this want that article 53A of the civil code, which is the repetition of sections 7 and 8 of Stat. 39 Victoria, chap. 20 of this Province, was adopted. The evident intention of the legislator was rather to grant municipalities the right of keeping a register of the acts of civil status for such exceptional cases, than really to compel them to do so. The obligation rests upon the father of the family or his representative and not upon the municipality.

The article was published in the newspapers in the month of January for the information of those interested, and was accompanied by the following notice:

PUBLIC NOTICE is hereby given that the provisions of the following law will henceforth be strictly enforced, and all persons found in contravention thereof will be prosecuted and rendered liable to the penalty in such case provided:

Article 53a of the Civil Code, or Article 5784 (53a) of the Revised Statutes of Quebec.

53a. "The father, or in case of his death or absence, "the mother of every child born, who has not caused "such child to be baptised, or who, being of a creed other "than Roman Catholic, has not caused the birth of such "child to be registered by the persons authorized to keep "a register of acts of civil status, is bound to cause the "birth of such child to be registered, within four months "from the date thereof, at the office of the Secretary. "Treasurer or of the Clerk of the municipality or city "of his domicile, or else with the nearest justice of the "peace; and the latter shall during the first two weeks

" of the month of January in each year, make to the
" Secretary-Treasurer or to the Clerk of the municipality
" or city a report of the births by him so registered.
" The Secretary-Treasurer or Clerk of the municipality
" or city shall each year during the month of January
" transmit a statement of such birth to the office of the
" Provincial Secretary. (39 V., c. 20, ss. 7 and 8; 50 V.,
" c. 2. s. 14.)"

In accordance with the terms of the aforesaid law, a register has been opened in our office for the enregistration of the births of unbaptised children.

By order,

HEALTH DEPARTMENT,
City Hall.
Montreal, January, 1891.

LOUIS LABERGE,
Medical Health Officer.

During the year, namely, from the 21st of January (the date upon which the first birth was inscribed upon the books) to the 31st of January 1891, there were 162 births registered in the Health Department for the City Clerk, the officer authorized to carry out the law in this matter. The following are the details :

NUMBER OF BIRTHS REGISTERED CIVILLY DURING THE YEAR 1891.

TABLE SHOWING AGES AND YEAR OF BIRTH.

Born in	Age	Number registered
1891	above 1 year	19
1890	" 2 years	27
1889	" 3 "	15
1888	" 4 "	11
1887	" 5 "	7
1886	" 6 "	10
1885	" 7 "	7
1884	" 8 "	9
1883	" 9 "	7
1882	" 10 "	4
1881	" 11 "	7
1880	" 12 "	4
1879	" 13 "	6
1878	" 14 "	4
1877	" 15 "	3
1876	" 16 "	4
1875	" 17 "	2
1874	" 18 "	1
1873	" 19 "	2
1872	" 20 "	1
1871	" 21 "	2
1870	" 22 "	1
1869	" 23 "	1
1868	" 24 "	3
1867	" 25 "	2
1866	" 26 "	1
1865	" 27 "	0
1864	" 28 "	1
1863	" 29 "	1
	Total	162

SEX

Males	87
Females	75
Total	162

RELIGION.

Baptists	25	Methodists	9	Episcopalians	4
Brethern	22	Spiritualists		Protestants	4
Presbyterians	22	Catholics	7	Free thinkers	3
Anglicans	15	Christians	6	Adv. Christians	2
Plymouth Brethr	13	Lutherans	5	Agnostics	1
Jews	12	No religion	4		
				Total	162

NATIONALITY OF THE FATHER.

English	48	Danish	4
Scotch	26	French	3
Scotch-Canadian	21	Swedish	1
American	19	German	1
Jewish	12	Americain-Canadian	1
English-Canadian	9	Swiss "	1
French "	8	German "	1
Irish "	7		
		Total	162

MONTHS.

January	4	May	20	September	3
February	51	June	4	October	
March	39	July	3	November	3
April	20	August	5	December	10
				Total	162

WARDS.

St-Anns	15	St-Marys	5	St-Jean-Baptiste	1
St-Antoine	68	West		St-Gabriel	8
St Lawrence	32	Centre		Unknown	2
St-Louis	15	East			
St-James	10	Hochelaga	6		
				Total	162

REMISSIONS, REDUCTIONS OR DELAYS GRANTED IN CONNECTION WITH THE PAYMENT OF THE WATER TAX.

The question of remission, reduction or delay in connection with the payment of the water tax in the case of the poor and sick has undergone another temporary change in so far as the manner of the granting is concerned. Hitherto this privilege was exclusively exercised by the Health Department, and it sufficed to send a written report to the Water Committee recommending a case to their consideration to have the matter at once attended to. But this year the City Treasurer judged proper to act otherwise, which has rendered the procedure more difficult not only for those seeking a privilege but also for the officers who should grant it.

The Council ought to have settled the matter long ago in a more satisfactory way for those solliciting and more definitely for the officers. The procedure has undergone such freqnent modifications that we hardly know how to deal with the accounts submitted to us. So far as our department is concerned although the task was imposed upon us notwithstanding that it does not relate directly to public health properly so called, we endeavoured to act equitably in all cases submitted to us; we sought to do our duty to the letter and do equal justice both to the public and the municipality.

Shutting off the water as a means of enforcing the payment of the water tax, we have never hesitated to declare to be from the point of view of public health, a procedure both dangerous and reprehensible. The Board of Health supported this opinion by sending of a report to Council asking that the order be countermanded.

The following table shows the very great increase in the number of applications in the past year as compared with the preceding years.

TABLE SHOWING THE NUMBER OF REMISSIONS, REDUCTIONS AND DELAYS GRANTED IN CONNECTION WITH THE PAYMENT OF THE WATER TAX, DURING THE YEAR 1890, ON ACCOUNT OF POVERTY AND SICKNESS.

	Remissions on account of			Total.	Reductions on account of			Total.	Delays on account of			Total.	Refusals.	Total.
Years.	Poverty.	Sickness.	Sanitary requirements.		Poverty.	Sickness.	Sanitary requirements.		Poverty.	Sickness.	Sanitary requirements.			
1887	113	63	5	181	20	16	6	42	41	70	53	164	16	16
1888	124	64	2	190	41	14	8	63	45	138	114	297	41	41
1889	126	23	.....	149	110	26	5	141	105	143	239	487	172	172
1890	76	16	.....	92	92	21	.....	113	17	29	57	103	49	49
1891	185	40	.....	225	214	59	4	277	36	76	235	347	199	199

	1887	1888	1889	1890	1891
Petitions granted.....	387	550	777	308	849
" refused	16	41	172	49	199
" abandoned....	123	170	264	105	308
Total.....	526	761	1213	462	1356

* By sanitary requirements is meant houses in which there are water-closets.

PUBLIC VACCINATION.

EASTERN DIVISION.

MONTHS.	Visits.	Vaccinations by Dr Nolin.	Vaccinations by family physicians.	Died.	Sick.
January	644	55	12	16	128
February	757	100	35	27	210
March	826	112	22	28	128
April	970	182	32	26	176
May	865	327	26	15	148
June	709	140	26	36	198
September	655	86	7	26	113
October	1145	541	53	44	173
November	1021	827	245	5	174
December	624	425	88	.....	102
	8216	2795	545	223	1550

DR NOLIN,
Public Vaccinator.

PUBLIC VACCINATION.

CENTRE DIVISION.

MONTHS.	Visits.	Vaccinations by Dr Dazé.	Vaccinations by family physicians	Died.	Sick.
January	409	48	2	6	90
February	515	47	6	5	115
March	618	86	12	9	126
April	778	161	52	16	144
May	658	106	38	12	123
June	741	85	18	8	99
September	389	66	2	11	77
October	721	377	100	10	94
November	713	633	197	.....	44
December	730	244	70	1	76
Total	6272	1853	497	78	983

DR H. DAZÉ,

Public Vaccinator.

PUBLIC VACCINATION.

WESTERN DIVISION.

	Number of visits.	Vaccinations by Dr Coyle.	Vaccinations by family physicians.	Sick.	Died.
January	440	32	18	49	17
February	556	72	27	104	25
March	617	120	30	117	28
April	906	136	45	108	26
May	893	169	73	94	44
June	476	64	29	62	28
September	580	118	37	37	32
October	1008	389	139	107	29
November	893	605	330	80	18
December	580	279	39	40	16
	6919	1984	767	798	263

DR. COYLE,
District Physician.

Public Vaccinators.	Visits.	Vaccinations by the vaccinators.	Vaccinations by family physicians.	Died before being vaccinated.	Sick.
Doctor Nolin	8216	2795	545	223	1550
" Dazé	6272	1853	497	78	983
" Coyle	6949	1984	767	263	798
Total	21437	6632	1809	564	3331
		1809			
		564			
Total		9005			

REMARKS.

The prejudice which existed against vaccination at the time of the last epidemic, is disappearing year by year thanks to the excellent quality of the vaccine used and particularly to the fact that the public vaccinators are now known by the public and are introduced into a number of families by those having already benefitted by their services.

The past year, and particularly in the autumn when the cases of small-pox scattered throughout the Province gave reason to fear that Montreal would again be invaded by the loathsome disease, a vast number of people who hitherto had refused to submit to vaccination, not only gladly accepted the services of the vaccinators when they presented themselves but many of them applied to the Health Department to have the vaccinators sent to their homes. The vaccinators had to keep their offices open every evening up to nine o'clock, even sundays and holidays, for the convenience of those unable to go at a more suitable time. It is to be hoped that the small number of people yet opposed to this measure may continue to decrease, and then we shall be able to flatter ourselves that we have a city the best protected against small-pox of any on the American continent.

CENSUS OF THE UNVACCINATED PORTION OF THE POPULATION.

Small-pox having made its appearence in several parishes of the Province, it was judged proper to ascertain the number of persons requiring to be vaccinated. Eight sanitary officers were employed specially at the work, with instructions to take the name, age and residence of every subject not already vaccinated, and in the case of minor children, to inscribe the names and surnames of the father and mother (the maiden name ot the latter). It occupied a period of eight weeks to accomplish the work of this census, taking street by street and house by house.

	Number of families visited.	Children not vaccinated.
Week ending 31st October 1891.....	4285	1978
" " " 7 November "	5755	2492
" " " 14 " "	4484	1769
" " " 21 " "	5492	2126
" " " 28 " "	3709	1291
" " " 5 December "	4901	1311
" " " 12 " "	4771	1504
" " " 19 " "	6166	1373
" " " 24 " "	1460	510
	43023	14354

There is not the slightest doubt that of the 43,023 families visited, some of them must have given false information, but by certain calculations we arrived at an approximate result sufficiently satisfactory. The number of families multipled by the accepted *mean* of 5 persons per family, gives a population of 215,115 ; and of this number, 14,354 were not vaccinated, or 7 to 8 per cent. It

is surprising that it is not the families which have been residing for sometime in the city that have the most unvaccinated members, it being rare to find more than two in any one family; but in regard to families from the country, from Upper Canada and especially from the lower part of this Province, Gaspé particularly, which are quite numerous, it is the exception to find them vaccinated. Families consisting of 14 children have been found, not one of whom had ever been vaccinated. The preceding table shows the success which attended the efforts of our vaccinators.

INSPECTION OF MILK.

C. Drouin, V. S.

The tests were made with Quevenne's lactodensimeter and Feser's lactoscope. 1117 samples were examined with the following results:

Density according to Quevenne's Lactodensimeter.	Quantity of butter according to Feser's lactoscope.															
	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00	4.25	4.50	Total.
1020 to 21	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	2
1021 " 22	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
1022 " 23	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....	2
1053 " 24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
1024 " 25	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	1
1025 " 26	....	....	....	....	....	1	....	....	1	....	....	....	....	....	....	2
1026 " 27	....	....	....	....	1	2	2	2	1	....	5	....	....	....	1	14
1027 " 28	....	....	....	....	5	1	1	1	3	3	3	....	....	....	....	17
1028 " 29	....	....	....	....	3	3	4	4	21	14	11	....	....	....	....	60
1029 " 30	....	....	....	....	2	3	10	26	79	35	15	....	....	....	....	170
1030 " 31	....	....	....	3	3	7	20	60	109	77	16	....	....	....	....	295
1031 " 32	....	....	....	....	4	15	38	57	89	27	15	2	1	....	....	247
1032 " 33	....	....	....	2	4	4	22	47	52	34	17	2	....	....	....	184
1033 " 34	....	....	....	....	3	8	17	18	21	13	9	1	1	1	....	92
1034 " 35	....	....	1	2	5	1	6	3	4	3	1	....	....	....	1	27
1035 " 36	....	....	....	....	1	....	....	....	1	....	1	....	....	....	....	3
1036 " 37	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	1
1037 " 38	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Total	1	....	2	7	33	45	120	220	381	206	93	4	2	1	2	1117

Density.		Quantity of butter.	
Minimum	1020.00	Minimum	1.00
Mean	1030.05	Mean	2.91
Maximum	1036.00	Maximum	4.50

CITY MILKMEN.

WARDS.	Resident in	Number of cows.	Producers.	Dealers.	Quantity of milk sold daily.	Quantity of milk sold yearly.
					Gallons.	Gallons.
St-James	12	62	8	4	214	78110
St-Marys	59	300	51	8	880	321200
St-Jean-Baptiste	37	209	31	6	678	247470
St-Louis	6	36	5	1	97	35405
St-Lawrence	8	.....	.....	8	233	85045
St-Antoine	30	27	4	26	1223	449395
St-Gabriel	16	113	12	4	260	94400
St-Anns	5	18	2	3	118	43070
Hochelaga	7	106	6	1	195	71175
Total	180	871	119	61	3898	1422770

SUBURBAN MILKMEN.

MUNICIPALITIES.	Number of Milkmen	Number of cows.	Producers.	Dealers.	Quantity of milk sold daily.	Quantity of milk sold yearly.
					Gallons.	Gallons.
Maisonneuve	5	64	4	1	147	53655
Côte Visitation	12	195	12	.....	371	135415
" St-Luc	11	193	11	.....	375	136875
" St-Paul	14	209	11	3	411	150015
Coteau St-Louis	28	186	20	8	541	197465
Mile-End	9	62	7	2	235	85775
Outremont	3	34	3	.....	66	24090
Côte St-Antoine	6	67	4	2	210	76650
St-Henri	11	43	5	6	285	104025
Ste-Cunégonde	12	84	9	3	323	117895
Longue-Pointe	20	341	14	6	897	327405
Pointe aux Trembles	7	95	3	4	289	105485
Sault-au-Récollet	10	129	9	1	287	104755
St-Laurent	55	813	43	12	1912	697880
Lachine	16	479	15	1	963	351495
Verdun	7	150	6	1	273	99645
Côte des Neiges	2	22	2	.....	60	21900
Ste-Thérèse	.....	.....	.....	.....	.....	.....
St-Léonard Port Maurice	16	236	10	6	639	233235
St-Martin	2	12	1	1	57	20805
St-Vincent-de-Paul	1	7	1	.....	15	5475
Total	247	3421	190	57	8356	3049940

BUTTER MILK SOLD IN THE CITY.

Bought from :	Quantity in gallons weekly.	Quantity in gallons yearly.
Ste-Thérèse	240	12480
Côte St-Antoine	65	3380
Lachine	100	5200
Mile End	120	6240
Total	525	27300

MILKMEN CONDEMNED BY THE RECORDER FOR INFRACTIONS OF THE BY-LAWS.

4	paid a fine of	$10 00	and costs.
1	" "	6 00	"
18	" "	5 00	"
1	" "	1 50	"
1	paid the costs.		
1	sentence suspended.		
	Total	26	

This year 3 new stables were built in the suburbs, and approved of by the Inspector.

The Inspector examined :

In the suburbs..... 81 stables
In the city..... 135 "

Improvements were required in many of the above stables, such as putting in ventilators, making windows, laying drains, etc.

One hundred and twenty complaints were made by citizens against milkmen.

The Inspector visited St. Laurent and made enquiry concerning the truth of statements to the effect that several milkmen were feeding their cows on beet pulp. Nothing was found likely to effect the health of cows or the quality of the milk.

Fourteen gallons of milk were seized for being impure.

MILK RECEIVED AT THE RAILWAY DEPOTS.

Place of delivery	Number of galls. received daily.	Number of galls. received yearly.	Remarks.
Bonaventure Depot.....	2351	858115	All the year round.
Mile End "	92	33580	" " "
Dalhousie "	380	138700	" " "
Windsor "	80	29200	" " "
Longueuil Ferry.....	50	9900	During the season of navigation only.
Total.....	2953	1069495	

LICENCES ISSUED FOR THE SALE OF MILK.

Year.	2 wheel vehicles.	4 wheel vehicles	Carriers.	Grocers.	Restaurants.	Total.
1888.....	212	139	.....	.....	.....	351
1889.....	218	149	23	13	.....	403
1890.....	229	154	23	6	4	416
1891.....	250	188	12	4	1	455

Number of milkmen licensed..... 455
" " producers 322
" " dealers..... 133

Table showing the variation in the quality of the samples of milk taken every month, according to the Lactodensimeter and Feser lactoscope, the figures indicating the density and the quantity of butter.

MONTHS.	Density according to the Lactodensimeter.			Quantity of butter according to the Feser lactoscope.		
	Minimum.	Mean.	Maximum.	Minimum.	Mean.	Maximum.
January	1020	1029	1033	2.50	2.48	3.00
February	1025	1030	1035	2.50	3.05	4.50
March	1029	1033	1036	2.00	2.87	4.00
April	1029	1030	1034	2.25	3.13	4.25
May	1026	1031	1034	1.50	2.70	3.50
June	1028	1031	1034	1.75	2.84	3 25
July	1020	1031	1034	1.50	2.73	4.50
August	1026	1031	1035	1.75	2.40	3.00
September	1028	1030	1033	2.25	2.69	3.25
October	1026	1030	1034	2.50	3.10	3.50
November	1026	1029	1034	2.75	3.23	3.50
December	1024	1030	1034	2.25	3.31	3.50

MILK INSPECTION.

COMPARATIVE TABLE FOR THREE YEARS.

Years	1889	1890	1891
Number of samples tested by the Milk Inspector.	1005	* 605	1117
Proportion of butter per cent (Annual mean).	2.71	2.86	2.91
Density (Annual mean)	1030.5	1030.48	1030.5
Samples having a density less than 1029.	184	52	98
Samples having a densitv greater than 1033.	113	68	123
Samples having less than 2.50 per cent of butter.	201	57	88
Licences issued	403	421	455
Number of gallons of milk received at railway depots :			
Daily.....	1155	2155	2883
Annually.....	460909	775975	1140845

As may be seen by the above table, the inspection begun three years ago has resulted in an increased percentage of butter in the milk ; and it must be admitted that it is probably the most important element to preserve and the one most frequently removed. It is to be remarked that the number of samples having a density of less than 1029 has also diminished. We are happy to find a diminution in the number of milkmen resident in the city and an increase in the number who have taken up their residence in distant parishes on the island of Montreal. This movement cannot be too highly praised for there is in it a double advantage in economy and healthfulness. The sending in of milk from the country everv morning to milkmen who distribute it to the different families comprising their customers, is largely practised. The

* Decrease owing to the fact that there was no by-law, the present one having been adopted only on the 23 of June 1890.

amount of milk imported in this way annually is almost three times as great as formerly; thus there were 460,909 gallons in 1889, while last year the quantity reached 1,140,845 gallons.

The Department will endeavour to diminish the number of cows in the city in order to prevent nuisance and to supply the animals with air more suitable for their health and to thus effect an improvement in the quality of the milk they supply.

In his quality as veterinary surgeon, the Milk Inspector caused 5 horses ill of glanders to be killed; and confiscated at the western abattoir 2 cattle from Toronto which were suffering from actinomycosis (Lump Jaw). He also confiscated the head, lungs and heart of an ox suffering from osteosarcoma.

At the eastern abattoir he seized the heads, lungs, hearts and livers of two cattle affected with osteosarcoma.

BOARD OF HEALTH 1891.

Nature of appropriation.		Appropriation.	Expenditure.	Over expenditure.	Balance remaining
Staff	$ c.	$ c.	$ c.	$ c.	$ c.
Medical Health Officer	3000	.....	.....	.....	
Inspector sanitary	1300	.....	.....	.....	
Secretary	750	.....	.....	.....	
Accountant	700	.....	.....	.....	
Notice clerk	700	.....	.....	.....	
Counter clerk	600	.....	.....	.....	
Registration clerk	600	.....	.....	.....	
Notice server	600	.....	.....	.....	
Office boy	200	.....	.....	.....	
3 Vaccinators, 1 @ $800, 2 @ $700	2200	.....	.....	.....	
4 Meat inspectors, 2 @ $600, 2 @ $700	2600	.....	.....	.....	
1 Sergeant sanitary police	624	.....	.....	.....	
12 Sanitary policemen @ $10	6240	.....	.....	.....	
1 Disinfector	520	.....	.....	.....	
1 Milk inspector	624	.....	.....	.....	
		21258 00	21239 94	.....	18 06
Miscellaneous :					
Maintenance of hospital	.....	1800 00	1694 44	.....	105 56
Scavenging and cremation	.....	56010 00	56010 60	60	
Contingent expenses	.....	400 00	392 75	.....	7 25
Purchase of vaccine	.....	900 00	846 15	.....	53 85
Disinfectants	.....	250 00	228 48	.....	21 52
Maintenance of public baths	.....	790 00	777 91	.....	12 09
Completing Hochelaga bath	.....	400 00	381 78	.....	18 22
Reports of births	.....	400 00	357 60	.....	42 40
House of refuge	.....	500 00	492 44	.....	7 56
Vehicle hire	.....	1110 00	1099 25	.....	10 75
Removal of dead animals	.....	1500 00	1500 00	.....	
Uniforms	.....	750 00	733 61	.....	16 39
Burial of poor and unknown persons	.....	250 00	180 00	.....	70 00
Milk Inspection	.....	250 00	173 09	.....	76 91
		86568 00	86108 04	60	460 56
Balance remaining	.....	.....	459 96		
			86568 00		

REPORT OF SANITARY INSPECTOR I. C. RADFORD.

FOR THE YEAR 1891.

MONTHS.	Special visits.	Second visits.	In defective condition.							Unhealthy.									Privy pits full.	Privy pits abolished.	Wooden slop trunks.
			Drains.	Sinks.	Waste pipes.	Water closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Dirty yards.	Dirty lanes.	Dirty vacants lots.	Stables.	Manure boxes.	Houses, Damp.	Houses, Dirty.	Houses, Over-crowded.			
January	53	14	10	.....	1	2	.....	1	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
February	28	6	5	.....	1	5	.....	5	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
March	38	6	8	.....	3	9	.....	5	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
April	87	10	5	.....	1	9	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	.....
May	107	10	12	.....	10	15	.....	4	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....
June	16	.....	2	1	8	7	1	6	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	1	1
July	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
August	74	.....	8	1	.....	2	.....	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....
September	83	.....	9	.....	.....	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
October	70	20	2	2	2	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
November	111	50	9	.....	3	6	.....	.....	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
December	100	75	9	.....	11	6	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	767	191	79	4	40	65	1	28	20	6	.....	.....	.....	.....	.....	2	1	.....	11	3	2

REPORT OF SANITARY INSPECTOR RADFORD,

FOR THE YEAR 1891.

MONTHS.	Repairs.													Abolished.					Cleaned.			
										Unhealthy houses.												
	Drains.	Sinks.	Waste pipes.	Water closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Over-crowded.	Cellars.	Privy pits.	Wooden slop trunks.	Manure heaps.	Uninhabitable lodgings.	Manure boxes.	Yards.	Lanes.	Vacant lots.	Privy pits cleaned.
January	9	.....	1	2	2	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February	5	.....	1	5	.....	5	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....
March	8	.....	3	8	.....	5	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
April	5	.....	.....	9	.....	3	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
May	12	.....	10	15	1	4	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
June	2	1	8	7	2	6	1	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	3
July	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
August	7	1	.....	1	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	4
September	8	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1
October	2	2	2	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
November	9	.....	3	6	3	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....
December	9	.....	11	6	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	76	4	39	63	18	27	1	.....	.....	2	.....	.....	5	3	2	1	1	.....	.....	.....	.....	11

Mr. Radford having been ill for some time was replaced by Mr. J. E. Durocher, temporarily.

INSPECTION OF ST. GABRIEL WARD AND ST. ANNS WARD BY INSPECTOR F. S. O'REILLY,

FOR THE YEAR 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	Number of days at other duties.	In defective condition.							Unhealthy.								Privy pits full.	Privy pits abolished.	Escape of illuminating gas.	Wooden slop trunks.	Manure heaps in yards or lanes.	Fowl in houses.
																		Houses.							
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Dirty yards.	Dirty lanes.	Dirty vacant lots.	Stables.	Manure boxes.	Damp.	Overcrowded or dirty.						
January ...	224	51	63	4	4	3	11	1	...	2	.....	1	.....	.....	.....	.....	...	.....	.....	28	.....	.....	...	.....	.....
February...	290	39	31	6	1	1	5	.....	...	...	.....	.....	.....	.....	.....	.....	...	.....	.....	26	1	.....	1	.....	1
March	271	46	12	4	2	1	13	1	...	.....	.....	2	5	.....	.....	.....	...	.....	.....	19	.....	.....	...	.....	1
April	18	439	94	4	...	2	2	2	...	2	1	.....	88	1	.....	.....	...	1	.....	25	1	.....	...	102	.....
May.....	.....	240	194	2	...	1	4	1	1	.....	.....	3	12	.....	.....	.....	...	.....	.....	14	1	.....	...	34	.....
June	.....	363	50	2	...	1	.....	2	1	3	.....	8	27	9	.....	.....	...	.....	.....	38	1	.....	..	56	.....
July	.....	429	131	4	2	2	5	2	...	4	4	2	7	.....	.....	.....	..	.....	.....	26	3	.....	...	52	.....
August	.....	323	53	10	...	1	1	2	2	2	.....	1	2	.....	.....	.....	...	.....	.....	25	.....	.....	...	7	.....
September.	.....	439	66	.....	.	...	3	4	1	2	.....	1	1	.....	1	.....	...	.....	.....	48	1	.....	...	2	.....
October	20	840	96	2	...	1	5	1	...	.....	1	.....	.....	.....	1	.....	...	.....	.....	31	2	.....	...	2	.....
November.	.....	1767	4	10	...	1	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	1	.....	.....	...	.....	.....
December..	.....	1563	48	8	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	.....	.....	...	.....	.....
	823	6539	842	56	9	14	49	16	5	15	6	18	142	10	2	.....	...	1	.....	281	10	.....	1	255	2

INSPECTION OF ST. GABRIEL AND ST. ANN'S WARDS BY INSPECTOR F. S. O'REILLY.

For the year 1891.

MONTHS.	Repaired									Unhealthy Houses.			Abolished.					Cleaned.							
	Drains.	Sinks.	Waste pipes.	Water-closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Over-crowded.	Privy pits.	Wooden sloprunks.	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Privy pits cleaned.	Fowl in Houses.	Manure boxes built.	Water-closets put in.
January....	3	1	11	1	.....	1	.....	.....	.....	.....	.....	.....	...	...	.....	.....	.....	1	.....	.....	...	28	....	.....	.....
February ..	1	2	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....	.....	...	.....	.....	...	26	1	.....	.....
March	1	1	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	...	.....	....	.....	2	5	.....	...	18	1	.....	.....
April	2	1	2	2	1	2	.....	.....	.....	1	.....	.....	1	...	102	.....	.....	...	88	1	.	25	.....	.....	.....
May.....	1	1	4	.....	.....	.....	1	.....	.....	.....	.....	.....	1	1	34	.....	.....	3	12	.....	..	14	.....	.....	.....
June.....	1	.....	.....	2	1	3	1	.....	.....	.....	.....	.....	1	...	56	.....	.....	8	27	9	...	38	.....	.....	1
July	2	2	5	4	.....	4	.....	.....	.....	.....	.....	.....	2	...	52	.....	.....	2	7	.....	...	25	.....	.....	.....
August	1	.....	1	2	.....	2	2	.....	.....	.....	.....	.....	...	...	7	.....	.....	..	2	.....	...	25	.....	.....	.....
September.	1	.....	3	4	.....	2	1	.....	.....	.....	.....	.....	...	...	2	.....	.. ..	1	1	.....	1	45	. ....	....	.....
October. ...	1	.....	5	1	1	1	.....	.....	.....	.....	.....	.....	2	...	2	.....	...	...	.....	.....	1	27	.....	3	.....
November.	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....	.....	1	.....	.....	..	2	.....	.....	.....
December..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	...	.....	.....	.....	...	.....	....	..	.....	.....	.....	.....
	14	9	51	16	3	15	5	.....	.....	1	.....	.....	7	1	255	.....	.....	18	142	10	2	273	2	3	1

INSPECTION OF ST. ANN'S WARD BY INSPECTOR L. LAMARRE.

FOR THE YEAR 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop trunks.	Heaps of manure in yards and Lanes.	Fowl in houses
																		Houses.							
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Dirty yards.	Dirty lanes.	Dirty vacants lots.	Stables.	Manure boxes.	Damp.	Overcrowded or dirty.						
January ...	427	28	18	4	2	5	11	3	...	3	3	1	1	.....	.....	.....	...	.....	.....	9	.....	.....	...	.....	.....
February...	367	31	12	3	1	4	12	4	...	.....	.....	2	.....	.....	.....	.....	...	.....	.....	13	.....	.....	...	.....	.....
March.....	465	31	21	4	...	2	10	3	...	.....	.....	.....	1	.....	.....	.....	...	.....	.....	12	1	.....	...	1	.....
April.....	.....	632	60	4	...	2	1	.....	...	.....	.....	.....	214	.....	.....	.....	...	.....	.....	13	.....	.....	...	47	.....
May	.....	335	276	2	1	4	5	1	...	1	1	1	34	.....	.....	.....	...	.....	.....	12	1	.....	...	31	.....
June.....	393	70	110	.....	5	5	4	.....	1	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	13	.....	.....	...	1	.....
July	188	815	51	.....	...	1	2	.....	...	.....	.....	1	.....	.....	.....	.....	...	.....	1	12	1	.....	...	69	.....
August.....	.....	225	179	8	...	5	6	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	6	.....	.....	...	16	.....
September.	.....	557	49	2	...	1	2	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	6	.....	.....	...	.....	.....
October....	146	1631	8	.....	...	4	7	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	6	.....	.....	...	1	.....
November.	.....	2192	.....	2	...	4	1	.....	...	.....	.....	1	.....	.....	.....	.....	...	.....	.....	4	.....	.....	...	3	.....
December..	124	2165	25	3	...	2	2	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	.....	1	.....	.....	...	.....	.....
	2090	8712	839	32	9	39	63	11	1	4	4	6	250	.....	.....	.....	...	.....	1	107	3	.....	...	169	.....

INSPECTION OF ST. ANN'S WARD BY INSPECTOR L. LAMARRE.

For the year 1891.

MONTHS.	REPAIRED.												ABOLISHED.					CLEANED.							
										UNHEALTHY HOUSES.															
	Drains.	Sinks.	Waste pipes.	Water-Closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Overcrowded.	Privy pits.	Wooden stopt-tunks.	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-Closets put in.
January ...	5	2	11	3	3	3	.....	.....	.....	.....	.....	.....	...	...	.....	.....	...	1	1	.....	.....	9	.....	.....	2
February ..	4	1	12	4	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....		2	.....	.....	.....	12	.....	.....	.....
March	2	.....	10	3	.....	.....	.....	.....	.....	.....	.....	.....	...	...	1	.....	...	...	1	.....	.....	12	.....	.....	.....
April	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	47	.....	...	...	214	.....	.....	13	.....	.....	.....
May	4	1	5	1	1	1	.....	.....	.....	.....	.....	.....	...	...	31	.....	...	1	34	.....	.....	12	.....	.....	.....
June	5	3	4	.....	.....	.....	1	.....	.....	.....	.....	.....	...	...	1	.....	...	...	.....	.....	.....	13	.....	.....	.....
July	1	.....	2	.....	.....	.....	.....	.....	.....	.....	1	.....	1	...	69	.....	..	1	.....	.....	.....	12	.....	.....	1
August	3	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	16	.....	...	...	.....	.....	.....	6	.....	.....	.....
September .	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....	...	...	.....	.....	.....	5	.....	.....	.....
October.....	3	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	1	.....	..	...	.....	.....	.....	6	.....	.....	.....
November .	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	3	.....	...	1	.....	.....	.....	4	.....	.....	.....
December..	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....	...	...	.....	.....	.....	1	.....	.....	.....
	36	7	63	11	4	4	1	.....	.....	.....	1	.....	1	...	169	.....	..	6	250	.....	.....	105	.....	.....	3

INSPECTION OF ST. ANTOINE AND ST. JEAN-BAPTISTE WARDS BY INSPECTOR J. N. PROULX.

For the year 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop trunks.	Heaps of manure in yards and Lanes.	Fowl in houses.
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacants lots dirty.	Stables.	Manure Boxes.	Houses. Damp.	Houses. Overcrowded or dirty.						
January ...	257	79	53	6	8	14	13	5	1	.....	.....	3	3	.....	.....	.....	...	3	.....	10	.....	.....	...	2	.....
February...	169	92	16	10	8	14	9	1	...	.....	.....	2	1	1	2	.....	...	.....	.....	15	1	.....	...	2	.....
March	355	67	28	5	4	5	6	2	...	.....	.....	.....	2	.....	.....	.....	...	.....	.....	14	2	.....	...	.....	.....
April.....	18	444	15	.....	1	1	1	4	...	.....	.....	.....	74	1	5	.....	...	.....	.....	28	.....	.....	...	79	.....
May.....	.....	187	107	2	...	3	1	5	1	.....	4	.....	9	60	3	1	...	.....	.....	8	1	.....	...	60	.....
June.....	.....	253	28	2	2	9	2	5	2	2	3	6	4	51	.....	4	...	.....	.....	13	2	.....	...	21	.....
July.....	.....	426	47	2	2	9	4	1	...	.....	.....	2	7	3	.....	.....	...	.....	.....	25	1	.....	...	14	.....
August.....	.....	304	65	3	...	7	5	2	2	.....	.....	4	2	2	.....	.....	...	.....	.....	27	.....	.....	...	15	.....
September.	.....	1007	70	10	1	13	5	2	2	.....	1	4	2	2	.....	1	...	3	.....	48	1	.....	...	8	.....
October ...	.....	1122	79	.....	..	1	1	3	...	.....	1	2	2	4	.....	.....	...	1	1	21	10	.....	...	3	.....
November.	.....	1811	20	2	...	...	1	1	...	.....	.....	4	1	2	.....	.....	...	.....	.....	1	.....	.....	...	3	.....
December..	45	2080	47	.....	...	...	5	2	...	1	1	3	1	.....	.....	.....	...	1	.....	2	.....	.....	...	.....	.....
	844	7872	575	42	26	76	53	33	8	3	10	30	108	126	10	6	...	8	1	212	18	.....	...	207	.....

INSPECTION OF ST. ANTOINE AND ST. JEAN BAPTISTE WARDS BY INSPECTOR J. N. PROULX.

FOR THE YEAR 1891.

MONTHS.	Repaired.												Abolished.					Cleaned.							
										Unhealthy houses.															
	Drains.	Sinks.	Waste pipes.	Water-closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Overcrowded.	Privy pits.	Wooden slop trunks.	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-closet put in.
January ...	9	3	8	5	.....	.....	1	.....	.....	3	.....	.....	...	...	2	.....	.....	2	3	.....	...	8	.....	.....	.....
February ..	10	6	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	...	1	.....	.....	1	1	1	2	15	.....	.....	.....
March	2	3	5	2	.....	.....	.....	.....	.....	.....	.....	.....	2	...	.....	.....	.....	...	2	.....	...	13	.....	.....	3
April.....	5	5	4	3	.....	.....	.....	.....	.....	.....	.....	.....	...	...	79	.....	.....	...	74	1	5	28	.....	1	1
May	3	3	1	4	4	.....	.....	1	.....	.....	.....	.....	...	...	60	.....	.....	...	9	60	3	7	.....	6	.....
June.....	9	2	2	5	3	2	2	4	.....	.....	.....	.....	1	...	21	.....	.....	6	4	51	...	12	.....	8	1
July.....	9	2	4	1	.....	.....	.....	.....	.....	.....	.....	.....	...	...	14	.....	.....	2	7	3	...	25	.....	.....	.....
August.. ...	7	.....	5	2	.....	.....	2	.....	.....	.....	.....	.....	...	...	15	.....	.....	4	2	2	...	27	.....	.....	2
September.	12	1	5	2	1	.....	2	.....	.....	2	.....	.....	1	...	8	.....	.....	4	2	2	...	48	.....	.....	2
October.....	2	.....	1	3	1	.....	.....	.....	.....	1	1	.....	7	...	3	.....	.....	2	2	4	...	21	.....	.....	8
November.	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	...	...	3	.....	.....	4	1	2	...	1	.....	.....	.....
December..	3	1	5	2	1	1	.....	.....	.....	1	.....	.....	...	...	.....	.....	.....	3	1	.....	...	2	.....	.....	.....
	72	26	53	30	10	3	7	5	.....	7	1	.....	12	...	206	.....	.....	28	108	126	10	207	.....	15	17

INSPECTION OF ST. JEAN-BAPTISTE AND ST. LOUIS WARDS BY INSPECTOR P. P. BENOIT.

FOR THE YEAR 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop trunks.	Heaps of manure in yards and lanes.	Fowl in houses.
																		Houses.							
					Sinks.	Drains.	Waste pipes.	Water closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacant lots dirty.	Stables.	Manure boxes.	Damp.	Overcrowded or dirty.						
January....	678	62	29	.....	...	...	4	12	3	.....	2	2	6	.....	.....	.....	...	2	.....	8	.....	.....	...	7	3
February ..	745	46	19	.....	...	...	.....	2	1	.....	1	1	1	.....	.....	.....	...	.....	1	14	.....	.....	...	9	.....
March	615	41	39	2	...	2	.....	4	1	.....	1	1	13	.....	.....	.....	...	1	.....	16	.....	.....	...	12	.....
April	818	90	90	3	...	3	.....	1	...	1	2	2	52	.....	.....	.....	...	.....	.....	14	.....	.....	...	38	.....
May	.....	297	99	6	...	1	1		1	.....	1	1	10	2	.....	.....	...	.....	.....	6	3	.....	...	8	.....
June..	.....	195	86	10	8	14	3	2	1	.....	.....	.....	9	29	.....	1	1	.....	2	9	2	.....	...	36	.....
July.....	.....	516	66	2	3	7	3	2	...	.....	.....	.....	5	5	1	.....	4	.....	.....	34	1	.....	...	7	.....
August.....	.....	528	55	1	..	1	.....	1	...	.....	.....	.....	3	.....	.....	.....	3	.....	.....	47	3	.....	1	6	.....
September.	.....	454	55	6	1	7	4	4	1	3	3	3	2	1	1	2	...	.....	.....	22	3	.....	1	3	.....
October.....	.....	573	152	9	...	3	4	3	1	.....	.....	3	2	.....	.....	.....	...	1	.....	24	6	.....	...	.....	.....
November.	.....	2744	6	2	2	2	6	6	...	3	3	4	.....	3	.....	1	...	.....	1	2	.....	.....	...	1	3
December..	76	2251	60	.....	1	1	2	5	...	1	1	.....	.....	1	.....	.....	...	.....	.....	.....	.....	.....	...	.....	2
	2932	7797	756	34	15	41	27	43	9	8	14	17	103	41	2	4	8	4	4	195	18	.....	2	125	8

INSPECTION OF ST. JEAN-BAPTISTE AND ST. LOUIS WARDS BY INSPECTOR P. P. BENOIT.

For the year 1891.

MONTHS.	Repaired.												Abolished.					Cleaned.							
										Unhealthy houses.															
	Drains.	Sinks.	Waste pipes.	Water-Closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty	Overcrowded.	Privy pits	Wooden slop trunks.	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-Closets put in.
January	.....	.....	4	12	2	.....	3	.....	.....	1	.....	.....	...	...	7	.....	.....	2	6	.....	.....	7	3	.....	3
February	.....	.....	.....	2	1	.....	1	.....	.....	.....	1	.....	...	...	9	.....	.....	1	1	.....	.....	14	.....	.....	.....
March	1	.....	.....	4	1	.....	1	.....	.....	1	.....	.....	...	...	12	.....	.....	1	13	.....	.....	16	.....	.....	2
April	3	.....	.....	1	2	.....	.....	.....	.....	.....	.....	.....	...	...	36	.....	.....	2	47	.....	.....	14	.....	.....	3
May	2	.....	1	1	1	.....	1	.....	.....	.....	.....	.....	3	...	8	.....	.....	1	14	2	.....	6	.....	.....	5
June	10	5	3	2	.....	.....	1	1	.....	.....	2	.....	2	...	9	.....	1	...	8	5	.....	8	.....	.....	1
July	5	3	3	2	.....	.....	.....	.....	.....	.....	.....	.....	1	...	6	.....	4	...	5	6	1	32	.....	.....	1
August	3	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	6	.....	3	...	5	.....	.....	45	.....	1	.....
September	6	1	4	3	3	.....	1	1	.....	.....	.....	.....	3	1	3	.....	.....	3	2	1	1	22	.....	.....	2
October	3	.....	4	3	.....	.....	1	.....	.....	1	.....	.....	6	...	...	.....	.....	3	2	.....	.....	22	.....	.....	1
November	3	1	6	2	3	.....	.....	.....	.....	.....	1	.....	...	...	2	.....	.....	4	.....	2	.....	2	3	.....	1
December	1	1	2	5	1	.....	.....	.....	.....	.....	.....	.....	...	...	...	.....	.....	...	.....	1	.....	.....	2	.....	1
	37	11	27	38	14	.....	9	2	.....	3	4	.....	16	2	98	.....	8	17	103	17	2	193	8	1	20

INSPECTION OF ST. LOUIS, ST. LAWRENCE AND WEST WARDS BY INSPECTOR T. KANE.

FOR THE YEAR 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden sloptrunks.	Heaps of manure in yards and lanes.	Fowl in houses.
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacants lots dirty.	Stables.	Manure boxes.	Houses. Damp.	Houses. Overcrowded.						
January....	293	73	79	10	3	6	16	17	2	.....	2	3	.....	.....	.....	...	.....	1	.....	8	.....	1	...	13	.....
February...	285	103	77	6	2	3	21	9	...	4	4	1	.....	.....	.....	...	.....	2	.....	14	.....	.....	...	4	.....
March	366	56	69	9	2	1	11	13	2	.....	3	1	.....	7	.....	...	.....	.....	.....	19	.....	.....	...	1	.....
April	19	620	140	.....	...	3	5	8	1	2	3	3	140	1	.....	...	.....	.....	.....	27	5	.....	...	46	.....
May	.....	240	151	2	9	3	7	16	2	13	13	5	13	.....	.....	...	.....	.....	.....	25	12	.....	...	4	.....
June.....	.....	496	124	9	1	4	3	8	...	.....	4	4	6	31	.....	...	.....	.....	.....	27	9	.....	...	13	.....
July...	.....	659	85	.....	...	1	3	8	...	1	8	3	3	.....	.....	...	.....	.....	.....	26	7	.....	...	6	.....
August.....	.....	500	96	10		2	1	4	...	.....	1	3	.....	.....	.....	...	.....	.....	.....	35	16	.....	...	.....	.....
September		696	85	.....	2	3	3	2	3	2	2	3	8	10	.....	...	.....	.....	.....	29	5	.....	...	.....	.....
October	.....	1491	57	2	1	2	5	7	1	4	.....	1	.....	15	.....	...	.....	.....	.....	24	2	.....	...	.....	.....
November .	.....	2321	36	2	...	3	3	7	...	3	.....	.....	.....	.....	.....	...	.....	.....	.....	4	.....	.....	...	3	.....
December..	157	1765	52	.....	1	2	3	3	...	1	.....	.....	.....	.....	.....	...	.....	.....	.....	4	.....	.....	...	.....	.....
	1120	9020	1051	50	22	33	81	102	11	30	40	27	170	64	.....	...	.....	3	.....	242	56	1	...	90	.....

INSPECTION OF ST. LOUIS, ST LAWRENCE AND WEST WARDS BY INSPECTOR T. KANE.

For the year 1891.

MONTHS	Repaired.									Unhealthy houses.			Abolished.					Cleaned.							
	Drains.	Sinks.	Waste pipes.	Water-closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Overcrowded	Privy pits.	Wooden slop trunks	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-closets put in.
January ...	6	3	16	17	2	.....	1	.....	1	1	.....	.....	...	...	13	.....	.....	3	.....	.....	...	8	.....	.....	.....
February...	3	2	21	8	3	4	.....	.....	.....	1	.....	.....	...	...	4	.....	.....	1	.....	.....	..	14	.....	.....	.....
March	1	2	11	12	3	.....	2	.....	.....	.....	.....	.....	...	...	1	.....	.....	1	.....	7	...	19	.....	.....	.....
April	3	.....	5	8	3	2	1	.....	.....	.....	.....	.....	1	...	46	.....	.....	3	140	1	...	27	.....	.....	.....
May	3	9	7	16	13	13	2	.....	.....	.....	.....	.....	12	...	4	.....	.....	5	13	.....	...	25	.....	.....	5
June	4	1	3	10	4	.....	.....	.....	.....	.....	.....	.....	9	...	13	.....	.....	4	6	31	...	25	.....	.....	4
July	1	.....	3	8	8	1	.....	.....	.....	.....	.....	.....	3	...	6	.....	.....	3	3	.....	...	25	.....	.....	6
August	2	1	1	4	1	.....	.....	.....	.....	.....	.....	.....	10	...	.....	.....	.....	3	.....	.....	...	32	.....	.....	4
September.	3	2	3	2	2	2	3	.....	.....	.....	.....	.....	5	...	.....	.....	.....	3	8	10	...	29	.....	.....	.....
October.....	2	1	5	7	.....	4	1	.....	.....	.....	.....	.....	2	...	.....	.....	.....	1	.....	15	...	24	.....	.....	3
November.	3	.....	3	7	.....	3	.....	.....	.....	.....	.....	.....	...	...	3	.....	.....	...	.....	.....	...	4	.....	.....	.....
December..	2	1	3	3	.....	1	.....	.....	.....	.....	.....	.....	...	...	.....	.....	.....	...	.....	.....	...	4	.....	.....	.....
	33	22	81	102	39	30	10	.....	1	2	.....	.....	42	...	90	.....	.....	27	170	64	...	236	.....	.....	22

INSPECTION OF ST. JAMES, ST. LOUIS, CENTRE AND EAST WARDS BY J. F. QUINN.

For the year 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop trunks.	Heaps of manure in yards or lanes.	Fowl in houses.
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacant lots dirty.	Stables.	Manure boxes.	Houses. Damp.	Houses. Overcrowded or dirty.						
January	413	68	49	4	....	4	29	22	...	6	2	3	2	1	1	...	...	4	.....	7	.....	.....	...	.....	1
February	378	87	58	3	1	4	17	4	...	2	.....	.....	2	.....	.....	...	...	1	1	11	2	.....	...	.....	.....
March	254	50	28	7	...	4	4	6	8	2	.....	3	.....	2	.....	...	...	2	.....	13	.....	...	...	.....	1
April	372	278	69	1½	1	.....	8	6	1	1	2	1	35	20	6	1	...	.....	.....	47	5	.....	1	44	.....
May	.....	263	115	5	...	9	4	7	...	4	.....	12	25	19	4	3	...	.....	.....	12	3	.....	...	24	.....
June	211	373	95	2½	...	34	16	12	7	7	.....	4	16	38	1	1	...	1	3	41	18	.....	8	33	1
July	403	157	83	11½	1	18	14	15	1	11	2	4	2	7	.....	3	...	.....	.....	30	9	.....	6	14	.....
August	756	144	123	.....	2	16	8	11	6	4	4	1	9	6	.....	4	...	.....	.....	50	13	.....	7	15	1
September	827	120	88	1	...	12	13	8	2	4	2	4	11	7	1	3	...	.....	1	57	23	.....	4	10	2
October	1132	178	63	2½	...	12	18	12	2	4	3	2	1	8	.....	1	...	.....	2	10	9	1	...	3	.....
November	.....	4556	14	1	1	7	3	4	1	4	.....	3	.....	1	.....	1	1	.....	.....	8	2	.....	...	2	.....
December	150	2263	135	5	....	3	7	2	...	3	3	.....	3	1	.....	1	...	.....	2	4	.....	.....	...	1	1
	4896	8537	920	44	6	123	141	109	28	52	18	37	106	110	13	18	1	8	9	290	84	2	26	146	7

INSPECTION OF ST. JAMES, ST. LOUIS, CENTRE AND EAST WARDS BY INSPECTOR J. F. QUINN.

For the year 1891.

MONTHS.	Repaired.												Abolished.					Cleaned.							
										Unhealthy houses.															
	Drains.	Sinks.	Waste pipes.	Water-Closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Overcrowded.	Privy pits.	Wooden stoop trunks.	Manure heaps.	Uninhabitable dwellings	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-Closets put in.
January....	4	.....	28	22	2	6	.....	.....	.....	4	.....	.....	...	...	.....	.....	...	3	2	1	1	7	1	.....	.....
February..	4	.....	17	4	.....	2	.....	.....	.....	1	1	.....	2	...	.....	.....	.	...	2	.....	.....	8	.....	.....	2
March	4	.....	4	6	.....	2	8	....	1	2	.....	.....	...	...	.....	1	...	3	.....	2	.....	12	1	.....	.....
April..	.....	1	8	4	2	1	1	1	.....	.....	.....	.....	4	1	44	.....	...	1	35	20	6	47	.....	.....	.....
May	6	.....	4	7	.....	3	.....	3	....	.....	.....	.....	3	...	24	.....	...	12	25	19	4	12	.....	2	1
June..	22	.....	12	12	.....	5	6	1	.....	1	3	.....	4	4	33	.....	...	2	16	38	1	24	1	11	6
July	23	1	12	6	2	5	.....	2	.....	.....	.....	.....	8	4	13	.....	...	5	2	5	....	38	.....	5	6
August.....	14	2	7	14	4	2	6	4	.....	.....	.....	.....	6	7	16	.....	...	1	7	8	.....	31	1	2	2
September.	7	.....	8	12	1	2	1	3	.....	.....	.....	.....	12	...	7	2	...	3	11	6	1	51	1	6	6
October.....	13	.....	14	13	3	3	3	1	1	.....	3	.....	7	3	6	1	...	3	3	9	.....	42	1	5	.....
November..	6	1	4	2	1	3	1	1	.....	.....	.....	.....	3	...	2	.....	1	1	...	1	.....	1	.....	1	.....
December..	7	.....	10	3	2	4	.....	1	.....	.....	1	.....	3	...	1	.....	...	2	3	1	.....	10	1	.....	.....
	110	5	128	105	17	38	26	17	2	8	8	.....	52	19	146	4	1	36	106	110	13	283	7	32	23

INSPECTION OF ST. MARYS, ST. JAMES, AND EAST WARDS BY INSPECTOR A. CATELLIER.

FOR THE YEAR 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop trunks.	Heaps of manure in yards or lanes.	Fowl in houses.
																		Houses.							
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacant lots dirty.	Stables.	Manure boxes.	Damp.	Overcrowded or dirty.						
January....	604	72	135	1	3	..	.....	.....	...	6	6	2	5	.....	.....	...	...	3	2	5	1	.....	...	74	1
February ..	590	80	83	3	...	3	5	1	...	1	1	3	.....	.....	.....	...	...	2	1	16	.....	.....	...	39	1
March	716	63	121	.....	1	5	3	1	...	1	1	2	.....	.....	.....	...	...	.....	1	22	1	.....	...	68	1
April	.....	483	361	1	2	6	3	.....	3	.....	.....	2	64	.....	.....	1	2	.....	.....	73	.....	.....	..	296	.....
May...	.....	237	307	9	...	7	2	1	1	1	1	6	16	.....	1	2	...	.....	.....	13	1	.....	1	100	1
June .. .	.....	558	195	5	4	21	9	2	1	2	2	7	7	37	.....	2	...	.....	.....	53	11	.....	...	164	1
July	.....	431	126	7	14	20	12	13	3	13	13	7	2	1	.....	1	...	.....	2	75	7	.....	5	95	.....
August	23	471	384	2	1	3	4	6	5	6	6	2	6	12	.....	3	...	.....	.....	50	9	.....	...	184	.....
September.		557	135	7	...	5	7	2	...	2	2	.....	.....	.....	.....	1	1	1	1	53	.....	.....	...	158	1
October.....	218	1527	98	5	...	8	17	.....	1	.....	.....	2	.....	.....	.....	...	...	.....	1	20	4	.....	...	77	.....
November.		3895	32	1	1	14	.....	.....	...	.....	.....	.....	1	.....	.....	3	...	.....	1	.....	.....	.....	...	2	1
December .	133	3223	20	4	...	3	3	2	1	2	2	.....	.....	.....	.....	...	..	.....	.....	2	.....	.....	..	.....	1
	2284	11597	1997	45	26	95	65	34	15	34	34	33	101	50	1	13	3	6	9	382	34	.....	6	1257	8

INSPECTION OF ST. MARYS, ST. JAMES AND EAST WARDS BY INSPECTOR A. CATELLIER.

For the year 1891.

MONTHS.	Repaired.												Abolished.					Cleaned.							
										Unhealthy houses.															
	Drains.	Sinks.	Waste pipes.	Water-closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Over-crowded.	Privy pits.	Wooden slop trunks	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-closets put in.
January	.....	3	.....	6	6	6	.....	.....	.....	3	1	1	1	...	74	1	...	2	5	.....	...	5	1	...	.....
February	3	.....	5	1	1	1	.....	.....	.....	2	1	.....	...	...	39	1	...	3	.....	.....	...	16	1	...	.....
March	5	1	3	1	1	1	.....	.....	.....	.....	.....	1	1	...	68	.....	...	2	.....	.....	...	22	1	...	.....
April	6	2	3	.....	.....	.....	3	1	.....	.....	.....	.....	...	...	296	.....	2	2	64	.....	...	73	.....	...	.....
May	8	.....	2	1	1	.....	1	2	.....	.....	.....	.....	1	1	100	.....	...	6	16	.....	1	13	1	...	5
June	14	4	9	2	2	1	1	2	.....	.....	.....	.....	11	...	164	.....	...	7	7	37	...	53	1	1	23
July	8	14	12	13	13	2	3	1	.....	.....	2	.....	7	...	93	.....	...	7	2	1	...	75	.....	9	14
August	3	1	4	6	6	13	5	3	.....	.....	.....	.....	9	...	186	.....	...	2	6	12	...	50	.....	3	7
September	5	.....	5	2	2	6	.....	1	.....	1	1	.....	...	...	158	.....	1	...	.....	.....	...	53	1	4	.....
October	8	.....	17	.....	.....	2	1	.....	.....	.....	.....	.....	4	...	77	.....	...	2	.....	.....	...	20	.....	2	.....
November	9	.....	.....	.....	.....	.....	.....	3	.....	.....	1	.....	...	...	2	.....	...	...	1	.....	...	.....	1	...	.....
December	3	1	3	2	2	2	1	.....	.....	.....	1	.....	...	...	.....	.....	...	...	.....	.....	...	2	1	...	.....
	72	26	63	34	34	34	15	13	.....	6	7	2	34	1	1257	2	3	33	101	50	1	382	8	19	49

INSPECTION OF ST. MARYS AND HOCHELAGA WARDS BY INSPECTOR P. NADEAU.

FOR THE YEAR 1891.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	Indefective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop trunks.	Heaps of manure in yards or Lanes.	Fowl in houses.
					Sinks.	Drains.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacant lots dirty.	Stables.	Manure boxes.	Houses. Damp, etc.	Houses. Overcrowded or dirty etc.						
January	502	49	3	4	4	7	11	...	...	...	...	...	1	...	...	...	...	2	...	3	3	...	...	...	
February	432	29	42	6	...	...	8	3	...	2	...	...	1	...	...	...	...	...	...	7	7	...	...	...	3
March	425	45	21	...	...	3	5	7	...	5	1	1	1	...	...	...	...	...	...	3	1	...	...	6	1
April	27	315	173	2	...	1	2	1	...	1	2	...	142	...	...	...	...	...	...	28	1	...	...	17	
May	...	168	191	10	...	2	...	...	...	...	...	...	1	...	...	1	...	...	...	1	...	...	...	16	
June	...	229	17	4	...	3	...	...	...	...	...	...	...	36	...	...	...	...	...	2	...	...	...	11	
July	...	353	125	2	...	2	1	2	1	2	...	...	3	...	...	...	...	...	...	44	...	...	...	1	
August	...	521	23	...	...	4	...	...	...	...	1	1	3	...	6	3	...	...	...	39	2	...	...	4	
September	331	76	80	10	1	1	3	4	...	3	...	2	...	...	...	1	...	...	...	6	...	—	...	2	
October	129	999	25	2	...	...	...	2	...	2	...	1	...	...	...	...	...	...	...	4	...	...	...	...	
November	...	1530	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
December	61	1387	29	3	...	3	3	...	...	1	1	4	...	...	...	...	...	...	...	...	...	...	...	...	
	1907	5761	729	45	5	26	33	19	1	16	5	9	152	36	6	5	...	2	...	137	14	...	...	57	4

INSPECTION OF ST. MARYS AND HOCHELAGA WARDS BY INSPECTOR P. NADEAU.

For the year 1891.

MONTHS.	Repaired.												Abolished.					Cleaned.							
										Unhealthy houses.															
	Drains.	Sinks.	Waste pipes.	Water-Closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Overcrowded.	Privy pits.	Wooden slops trunk	Manure heaps.	Uninhabitable dwellings.	Manure boxes.	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleared.	Fowl in houses.	Manure boxes built.	Water-closets put in.
January	3	2	11	.....	.....	.....	...	.....	.....	2	.....	.....	...	...	...	.....	.....	2	1	.....	.....	2	.....	.....	.....
February	.....	2	8	3	.....	2	.....	.....	.....	.....	.....	.....	...	...	...	.....	.....	...	1	.....	.....	7	3	.....	.....
March	3	.....	5	7	1	5	.....	.....	.....	.....	.....	.....	1	...	6	.....	.....	1	1	.....	.....	3	1	.....	1
April	1	.....	2	1	2	1	.....	.....	.....	.....	.....	.....	1	...	17	.....	.....	...	142	.....	.....	28	.....	.....	2
May	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	...	...	16	.....	.....	...	1	.....	.....	1	.....	.....	.....
June	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	11	.....		...	...	36	.....	2	.....	.....	.....
July	2	.....	1	2	.....	2	1	.....	.....	.....	.....	.....	...	...	1	.....	.....	...	3	.....	.....	44	.....	.....	.....
August	4	.....	.....	.....	1	.....	.....	2	.....	.....	.....	.....	...	...	4	.....	.....	1	3	.....	6	39	.....	.....	1
September	4	1	3	4	.....	3	.....	1	.....	.....	.....	.....	...	...	2	.....	.....	2	.....	.....	.....	6	.....	.....	.....
October	2	.....	1	1	.....	2	.....	.....	.....	.....	.....	.....	...	...		.....	.....	...	.....	.....	.....	4	.....	.....	.....
November	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	..	.....	.....	...	.....	.....	.....	.....	.....	.....	.....
December	1	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	...	...	...	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
	26	5	31	18	5	16	1	4	.....	2	.....	.....	2	...	57	.....	.....	7	152	36	6	136	4	.....	

INSPECTION OF HOUSES INFECTED WITH CONTAGIOUS DISEASES BY INSPECTOR W. MATHIEU.

MONTHS.	Regular visits.	Special visits.	Second visits.	At other duties.	In defective condition.							Unhealthy.								Privies full.	Privies abolished.	Escape of illuminating gas.	Wooden slop tunks.	Heaps of manure in yards or lanes.	Fowl in houses.
					Sinks.	Drainss.	Waste pipes.	Water-closets.	Privies.	Ventilation.	Soil pipes.	Cellars.	Yards dirty.	Lanes dirty.	Vacant lots dirty.	Stables.	Manure boxes.	Houses. Damp.	Houses. Overcrowded or dirty.						
January....	.....	193	64	3	1	16	17	6	...	5	7	2	.....	.....	.....	.....	...	.....	.....	4	.....	.....	...	.....	.....
February...	.....	209	59	4	...	9	11	1	1	1	3	1	.....	.....	.....	.....	...	.....	.....	13	2	.....	...	.....	.....
March	.....	188	58	3	1	13	7	2	1	2	3	3	.....	.....	.....	.....	...	.....	.....	13	1	.....	...	.....	.....
April	.....	225	70	2	...	12	17	6	1	3	4	5	.....	.....	.....	.....	...	.....	.....	11	4	.....	...	.....	.....
May	.....	207	55	2	.	10	15	2	6	.....	1	1	.....	.....	.....	.....	...	.....	.....	13	7	.....	2	.....	.....
June.....	.....	214	58	5	...	12	7	6	...	5	6	6	.....	.....	4	.....	...	.....	.....	5	2	.....	4	.....	.....
July.....	.....	30	180	4	...	14	9	26	...	5	4	5	.....	.....	.....	.....	...	.....	.....	15	12	.....	1	.....	.....
August... ..	.....	201	109	2	...	14	15	8	...	7	6	4	.....	.....	.....	.....	...	.....	.....	12	1	.....	...	.....	.....
September.	.....	262	57	4	1	7	10	4	...	4	5	4	.....	.....	.....	.....	.	2	.....	12	4	.....	...	.....	.....
October.....	.....	321	81	8	...	26	20	7	2	5	6	4	.....	.....	.....	.....	...	.....	.....	14	1	.....	...	.....	.....
November	.....	268	97	4	1	14	20	7	1	6	14	1	.....	.....	.....	.....	...	1	.....	15	1	.....	...	.....	1
December..	.....	250	103	5	4	10	9	7	...	8	6	.....	.....	....	.....	.....	..	.....	.....	10	1	.....	2	.....	.....
	.....	2568	991	46	8	157	157	82	12	51	65	36	.....	.....	4	.....	...	3	.....	137	36	.....	9	.....	1

INSPECTION OF HOUSES INFECTED WITH CONTAGIOUS DISEASES.

FOR THE YEAR 1891.

MONTHS.	Repaired.												Abolished.					Cleaned.							
										Unhealthy houses.															
	Drains.	Sinks.	Waste pipes.	Water-Closets.	Soil pipes.	Ventilation.	Privies.	Stables.	Escape of illuminating gas.	Damp.	Dirty.	Overcrowded.	Privy pits.	Wooden slop trunks.	Manure heaps.	Uninhabitable dwellings.	Manure boxes	Cellars.	Yards.	Lanes.	Vacant lots.	Number of privy pits cleaned.	Fowl in houses.	Manure boxes built.	Water-Closets put in.
January	11	.....	15	5	7	4	.....	.....	.....	.....	.....	.....	.....	...	...	.....	...	1	.....	.....	.....	4	.....	.....	.....
February	6	.....	10	1	3	2	1	.....	.....	.....	.....	.....	.....	...	...	.....	...	1	.....	.....	.....	13	.....	.....	.....
March	12	1	6	2	2	2	1	.....	.....	.....	.....	.....	.....	...	...	.....	...	3	.....	.....	.....	11	.....	.....	.....
April	10	....	16	4	2	2	1	.....	.....	.....	.....	.....	1	...	...	.....	...	2	.....	.....	.....	11	.....	.....	.....
May	9	.....	15	1	1	.....	4	.....	.....	.....	...	.....	1	2	...	.....	...	1	.....	.....	.....	13	.....	.....	1
June	11	.....	7	6	6	5	.....	.....	.....	.....	.....	.....	6	4	...	.....	...	6	.....	.....	1	5	.....	.....	11
July	13	.....	8	24	8	.....	.....	.....	.....	.....	.....	.....	13	...	...	.....	...	5	.....	.....	.....	15	.....	.....	18
August	13	.....	13	8	6	6	.....	.....	.....	.....	.....	.....	4	...	...	.....	...	4	.....	.....	.....	12	.....	.....	5
September	7	1	10	3	3	2	.....	.....	.....	2	.....	.....	2	...	...	.....	...	4	.....	.....	.....	12	.....	.....	8
October	24	.....	18	7	6	4	2	.....	.....	.....	.....	.....	6	...	...	.....	...	4	.....	.....	.....	13	.....	.....	19
November	11	1	18	7	12	4	1	.....	.....	1	.....	.....	1	...	...	.....	...	1	.....	.....	.....	11	1	.....	6
December	4	2	6	2	2	2	.....	.....	.....	.....	.....	.....	2	2	...	.....	...	...	.....	.....	.....	5	.....	.....	9
	131	5	142	70	58	33	10	.....	.....	3	.....	.....	36	8	...		...	32	.....	.....	1	125	1	.....	77

INSPECTION OF NEW HOUSES BY SANITARY OFFICER M. CHAGNON.

WARDS.	Permits.		Wihout permits.		Dwellings.	Water-closets.	Privy pits.	REMARKS.
	New Houses.	Houses in construct.	New Houses.	Houses in construct.				
Hochelaga	7	.....	.....	.....	20	37	.....	2 Manuf. of Iron Bridges.
"	.....	.....	1	.....	3	3	.....	
St. Marys	11	.....	.....	.....	42	90	.....	1 Manufact., 1 Convent.
"	.....	4	.....	.....	.....	.....	.....	1 School, Smead system of water-closets.
St. James	13	.....	.....	.....	44	46	.....	
"	.....	5	.....	.....	11	.....	.....	
"	.....	.....	3	.....	9	9	.....	
St. Louis	7	.....	.....	.....	15	15	.....	1 Church.
"	.....	.....	2	.....	7	8	.....	
East	3	.....	.....	.....	4	7	.....	3 Shops.
St. Lawrence	15	.....	.....	.....	33	55	.....	
"	.....	2	.....	.....	.....	.....	.....	6 Shops.
St. Antoine	21	.....	.....	.....	51	67	.....	
"	.....	8	.....	.....	.....	.....	.....	1 Church.
"	.....	.....	2	.....	2	6	.....	1 Hotel.
St. Ann's	10	.....	.....	.....	12	17	.....	
"	.....	1	.....	.....	.....	.....	.....	
"	.....	.....	2	.....	8	8	.....	
Centre	.....	.....	.....	.....	.....	.....	.....	
St. Jean-Bte	7	.....	.....	.....	17	23	.....	
"	.....	.....	3	.....	10	10	.....	1 College.
St. Gabriel	21	.....	.....	.....	63	65	.....	1 Hall, 1 Butcher's shop.
"	.....	4	.....	.....	.....	.....	.....	
"	.....	.....	2	.....	8	8	.....	1 Church.
West	2	.....	.....	.....	.....	7	.....	1 Shop, 1 Insurance Office.

N. B.—The inspector also tested the drainage and plumbing work in houses in which contagious diseases occurred.

J. B. CARDINAL, SERVER OF VACCINATION NOTICES AND INSPECTOR IN CASES OF APPLICATION FOR THE REMISSION OF THE WATER TAX, MADE :

1355 Reports concerning applications for remission of the water tax ; served

7595 Vaccination notices ; made special search in

390 Cases requiring vaccination when the parties had removed ; made

150 Special visits by order of the sergeant.

This officer also collected the lists of births from the different churches and paid the amount due each clergymen for the same, and further, more attended to the burial of poor persons in cases in which the Department supplied the coffin and hearse.

REMOVAL OF DEAD ANIMALS.

1891	Horses.	Cattle.	Calves.	Sheep.	Pigs.	Goats.	Dogs.	Cats.	Fowl.	Tainted meat.	Entrails.	Fish.	From outside the city.	
													Horses.	Cattle.
January.....	39	4	1	2	.....	.....	11	32	.....	1	...	...	.....	.....
February..	43	.....	3	.....	.....	2	30	22	.....	...	...	...	1	1
March	49	1	3	.....	.....	2	75	77	2	3	...	6	1	.....
April.....	47	9	3	.....	.....	1	143	154	5	...	...	4	3	1
May	37	5	6	2	.....	4	183	195	4	2	...	1	.....	.....
June.....	36	9	7	3	.....	1	181	206	3	5	...	1	10	2
July.....	53	8	3	4	.....	.....	149	163	9	5	...	4	4	.....
August..	49	7	2	2	5	3	98	163	10	2	2	2	3	2
September	51	16	3	2	1	5	88	122	2	2	1	2	4	1
October.....	87	11	.....	1	2	3	63	62	1	11	...	3	6	1
November	58	6	4	.....	2	1	62	48	1	1	...	...	3	.....
December.....	54	17	1	.....	.....	1	57	30	1	...	...	2	.....	.....
Total.....	603	93	36	16	10	23	1140	1274	38	32	3	25	35	8

STATEMENT SHOWING THE NUMBER OF

1891.	Hoch'ga.		St. Mary's.		St. James.		St. Louis.		St. Lawr'ce		St. Antoine	
	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.
January.....	.....	.....	5	395	10	851	8	568	9	1297	16	1290
February.....	5	355	13	1232	15	900	18	1226	5	816	11	1081
March.....	3	348	10	793	25	2139	26	2277	13	1149	23	1637
April	31	2444	32	3299	14	1189	35	2712	17	1882	43	3673
May.....	2	179	13	965	27	1485	25	1910	28	1913	41	3444
June....	20	1675	18	1442	29	2323	41	3506	17	1528	29	1887
July	3	293	28	2775	78	6091	48	3331	26	2003	42	2899
August.....	11	995	55	3640	36	2290	37	3165	17	2155	44	3510
September.....	2	110	31	2038	26	1530	22	1541	25	1684	63	5931
October	4	320	15	1050	22	1180	36	2922	14	966	33	2429
November.....	2	134	8	531	11	678	10	578	9	487	14	834
December	.....	.....	11	1034	8	348	16	1254	9	1045	3	156
	83	6853	239	19194	301	21004	322	24990	189	16925	362	28671

PRIVIES CLEANED IN EACH WARD.

St. Ann's		West.		Centre.		East.		St. J.-Bte.		St. Gabriel.					
Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Number of pits.	Number of cubic feet.	Connected with sewer.	Unconnected with sewer.	Number of pits.	Number of cubic feet.
10	629	...	.....	.....	.....	1	36	10	651	19	1292	33	55	88	7009
27	2223	1	36	.....	.....	2	122	8	648	11	785	38	78	116	8424
22	3052	...	.....	.....	.....	2	120	7	355	21	1685	55	97	152	13555
23	1904	1	36	.....	.....	1	60	24	1611	9	602	66	164	230	20312
35	3106	...	.....	2	72	7	687	25	1212	12	701	57	160	217	15674
35	3522	3	278	.....	.....	3	143	7	323	35	2562	74	163	237	19189
29	3053	1	60	.....	.....	6	269	29	1683	16	789	88	218	306	23246
32	2934	...	.....	.....	.....	13	929	27	1666	24	1373	50	246	296	22657
15	1212	...	.....	.....	.....	6	519	48	2205	60	3890	23	275	298	20660
16	1146	...	.....	1	60	3	336	17	1029	35	1912	8	188	196	13370
10	596	...	.....	2	72	3	156	6	264	12	809	.....	87	87	5139
11	1257	...	.....	1	36	2	96	1	47	10	552	3	69	72	5825
265	24634	6	410	6	240	49	3493	209	11694	264	16952	495	1800	2295	175060

STATEMENT SHOWING THE NUMBER AND THE CAPACITY OF THE PRIVY PITS IN THE CITY OF MONTREAL IN OCTOBER 1891.

WARDS.	Number.	Width in feet.	Length in feet.	Depth in feet.*	Cubic feet.
St-Anns	1454	6823	9249	4½	283,976,671½
St-Antoine	1383	5851	7757	4½	204,237,931.5
St-Marys	1280	6110	8390	4½	230,683,050
St-James	1081	4817	6254	4½	135,564,831
St-Jean-Baptiste	857	3106	4114	4½	57,501,378
St-Louis	740	3272	3615	4½	53,227,260
St-Gabriel	735	2964	3683	4½	49,123,854
St-Lawrence	568	2789	2849	4½	35,756 374½
Hochelaga	326	1405	1771	4½	11,197,147.5
East	68	410	427	4½	787,815
West	14	57	85	4½	21,802½
Centre	7	29	34	4½	4,437
	8518				1,062,082,552.50

* Owing to want of time an approximate calculation was all that could be made.

1891.

WARDS.	Privy pits abolished.	Putting in of soil pipes.	Putting in of water closets.	Number of privy pits in the city on the 15th October 1891.	
St-Anns	4	18	33	1459	
St-Antoine	34	37	90	1383	
St-Marys	20	61	130	1280	
St-James	26	31	77	1081	
St-Jean-Baptiste	29	37	72	857	
St-Louis	44	22	66	740	
St-Gabriel	14	42	84	735	
St-Lawrence	29	30	85	568	
Hochelaga	2	22	44	326	
East	1	4	8	68	
West	1	4	8	14	
Centre	.....	.....	.....	7	
	195	308	697	8518	

No. 197.

By-law to regulate the carting of manure and house offal.

Passed 4th June 1891.

At an adjourned special meeting of the Council of the City of Montreal, held in the City Hall, this fourth day of June, one thousand eight hundred and ninety-one, after the observance of formalities prescribed in and by the act of incorporation of the said City ; at which meeting not less than two-thirds of the members of the said Council are present, viz : His Worship the Mayor, James McShane, Esquire ; Aldermen : Rolland, Préfontaine, Jeannotte, Stevenson, Conroy, Thompson, Hamelin, Stephens, Villeneuve, J. B. R. Dufresne, Wilson Brunet, Martineau, P. Kennedy, Savignac, P. Dubuc, McBride, Boisseau, Grenier, Tansey, Shorey, Lamarche, Gauthier, Clendinneng, Perreault, Griffin.

Section 1. Every cart, wagon or other vehicle used to transport manure, garbage, house offal or other offensive or nauseous substance, in or through any of the streets of the City, shall be fitted with a good and substantial box thereon, the sides of which shall not be less than twenty four inches high, so that no portion of the contents thereof shall be scattered or thrown into the street ; and every such box shall be provided with a proper covering so as to conceal its contents and prevent the escape of offensive exhalations therefrom.

Section 2. The cartage of gas liquids and refuse through the streets of the city shall be made only in air tight vessels and between the hours of 9 o'clock p. m. and 6 o'clock a. m.

Section 3. Every person using any cart, wagon or other vehicle for any of the purposes aforesaid which does not comply with the foregoing provisions shall for each offence, be liable to a fine with costs, or an imprisonment or to a fine, and in default of immediate payment of such fine and costs, to an imprisonment, the amount of said fine and the term of said imprisonment to be fixed by the recorder's court at its discretion ; but such fine shall not exceed forty dollars and the imprisonment shall not be for a longer period than two calendar months ; and where such imprisonment is ordered in default of payment of the fine, it shall cease on such payment.

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. ANN'S WARD.

Streets.	Diphtheria.	Diphtheril croup	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Ann					1			1
Aqueduct, from number 1 to 160								
Barré								
Basin								
Brennan								
Britannia					1			1
Bourgeois	2			1				3
Canal								
Canning, from number 1 to 27								
Centre, from number 1 to 187								
Chaboillez to 14								
Chaboillez Square, even numbers								
Chatham								
Colborne	1				1	1		3
College				1		1		2
Common, from number 1 to 43								
Condé				1				1
Congregation	3			1	1			5
Conway				1				1
Dalhousie				1	1	1		3
Duke	1				1			2
Dupre, Lane						4		4
Eleanor								
Farm	1							1
Favard								
Forfar	1			7	1			9
Grand Trunk, from number 1 to 155			1	1	1			3
Grey Nun								
Guy to 149			1					1
Hunter								
Inspectors, from number 2 to 46					1			1
Jardin, from number 11 to 33					1			1
King								
Little Manufacturers								
Longueuil, Lane								
Lusignan, numbers 1, 2, 3								
Magdalen, from No. 1 to 209 and from No. 2 to 190	3			1	1	2		7
Manufacturers, from number 1 to 76	1			1	2			4
Maple avenue								
McCord	1							1
McGill, even numbers to 214								
				2				2
Carried over	14		2	18	13	9		56

CONTAGIOUS DISEASES, St. Ann's Ward.—*Continued.*

Streets.	Diphtheria	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	14		2	18	13	9		56
Mill								
Montmorency								
Mullins, from number 1 to 134								
Murray					3			3
Notre-Dame, even numbers from 1842				2				2
Nazareth				3	1			4
Olivier								
Ottawa								
Payette								
Pichette								
Prince				1				1
Queen								
Richardson, from number 1 to 163								
Richmond, from number 1 to 271	1							1
Sebastopol	2			1				3
Seigneurs, from number 1 to 283								
Seminary								
Shannon	3				2			5
Shearer					1			1
Smith								
Spiers, Lane								
St. Agnes								
St-Augustin								
St-Columban								
St-Etienne				1	2			3
St-Henry	1							1
St-Martin, from number 1 to 83					1			1
St-Maurice			1					1
St-Patrick, from number 1 to 226	1							1
St-Thomas								
Tar, Lane								
Versailles, from number 1 to 18								
Wellington, from number 1 to 600	2		1	1	6			10
William	2			1	5			8
Young								
	26		4	28	34	9		101

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. ANTOINE WARD.

Streets.	Diphtheria.	Diphtheritic Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Adeline					1	1		2
Albert	6							6
Albert, Avenue								
Albert, Lane	1			1			1	3
Aqueduct					1			1
Argyle, Avenue	1							1
Aylmer						2		2
Bannockburn, Lane				2				2
Bayle				1				1
Beaver Hall, Hill		1			1	1		3
Beaver Hall, Square								
Belmont						1		1
Berthelet, from No. 49								
Bishop	4			3		2		9
Bishop, Lane	2							2
Bisson					1			1
Bruchési								
Brunswick				2				2
Buckingham								
Burnside								
Busby, Lane	1							1
Canning, from No. 41					1			1
Carleton, Road								
Cathcart	1			3				4
Cathedral	1				2			3
Chaboillez, from No. 19								
Chaboillez, Square, odd Nos.								
Chatham, from No. 70	1			2	5	8		16
Chomedy	1							1
City Councillors, even Nos.				1		3		4
Closse	1							1
Côte des Neiges								
Coursol				3		1		4
Craig, from No. 742								
Crescent					1		1	2
Cypress								
Delisle, from No. 53 to 137				1				1
Desrivières	1	1				1		3
Desrivières, Avenue								
Dominion, from No. 52	1							1
Dominion, Avenue, from No. 12 to 34				4				4
Donegana								
Carried over	22	2		23	13	20	2	82

CONTAGIOUS DISEASES, St. Antoine Ward.—*Continued.*

Streets.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	22	2		23	13	20	2	82
Dorchester, from number 774				7	1			8
Drummond				3				3
Dubrule, Lane								
Dufferin from Richmond				1				1
Durocher, even numbers								
Edge Hill, Avenue								
Elm, Avenue								
Essex								
Evans								
Forgue, Avenue			1					1
Fort				2				2
Fournier								
Fulford	1				1	3		5
Groulx, Lane								
Guy, from number 151				3	1	44		48
Guy, Avenue								
Hanover					1			1
Hutchison					1			1
Imperial, Avenue				1				1
Inspectors, from number 46					1	1		2
Jubilee Avenue								
Lagauchetière, from number 730						1		
L'Allemand, Avenue						3		3
Larin, Avenue								
Larin, Place								
Latour	1						1	2
Leclair, Avenue								
Leroux						3		3
Lincoln, Avenue	1							1
Little St-Antoine								
Lorne, Avenue								
Lorne, Crescent								
Lusignan, from number 5				1	1			2
Macgregor								
Mackay				3	1	3		7
Mansfield	1			2		1		4
Maple, Avenue								
Mayor								
McGill College, Avenue	2			1	2	1		6
McGill, from number 226 to 240								
McTavish						7		7
Metcalf	3					2		5
Metcalf, Avenue								
Carried over	31	2	1	47	23	89	3	196

CONTAGIOUS DISEASES, St. Antoine Ward—*Continued.*

Streets.	Diphtheria.	Diphtherit. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	31	2	1	47	23	89	3	196
Milton								
Milton, Avenue								
Monet, Lane						1		1
Morland	1					1		3
Mountain	2			1		10		12
Mont St. Mary Avenue					2			2
N.-Dame, from No. 1849	1		1		1			4
O'Leary, Avenue				1				
Olivier						1		1
Ontario, Avenue	1				1			1
Osborne								
Overdale, Avenue								1
Oxenden, Avenue								
Paxton, Avenue								
Pea, Lane								
Peel				1		2		2
Philip's, Place								1
Philip's, Square								
Pine, Avenue					1			
Plymouth, Grove				1				1
Prince Arthur, from 306 to 353				1				2
Quesnel, from Nos. 1 and 2 to 94 and 77	1					1		3
Railway Track				1	4	3		3
Redpath				3				1
Richmond, from 281					1	2		9
Richmond, Avenue								
Richmond, Square							1	2
Rolland					1	3		3
Roy, Lane								
Rutherford, Avenue								1
School House					1			
Seigneurs, from 292				4	1	6		11
Sherbrooke, from 734				4	1	1		6
Shuter					1			1
Simpson				4		1		5
St-Alexander, even nos.								
St-Antoine	6			2	3	4	3	18
St-Catherine, from 2146			1	4	8	4		17
St-David, Lane				1				1
St-David, Place				1				1
St-Felix				1				1
St-Genevieve	1							1
St-James, from 284	1		2	3	1	4		11
Carried over	45	2	5	81	49	133	7	322

CONTAGIOUS DISEASES, St. Antoine Ward.—*Continued.*

Streets.	Diphtheria.	Diphtherit, Croup	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	45	2	5	81	49	133	7	322
St-Leo, Lane								
St-Luc				1				1
St-Margaret					1			1
St-Mark	2			1		2		5
St-Martin, from 85	2					4		6
St-Mathew				1				1
St-Michel, Lane								
St-Monique	1		1					2
St-Sophia								
Stanley	2			2		4		8
Sussex				1		1		2
Taillefer, Avenue								
Thistle, Terrace								
Torrance	1			3		1		5
Tower Avenue				1				1
Tupper						3		3
Union, Avenue	1					3		4
University	1			6	1	1	2	11
Versailles, from 22			1	2		2		6
Victoria						4		4
Victoria, Square, from 2 to 86 and from 25 to 49								
Windsor								
Workman, from 1 to 108 and to 121	1					5		6
	56	2	7	99	52	163	9	388

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. LAWRENCE WARD.

Streets.	Diphtheria	Diphtherit Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Anderson	.....	.....	.....	1	1	.....	.....	2
Arcade	2	.....	.....	.....	.....	1	.....	3
Bagg	.....	.....	.....	.....	.....	.....	.....	.....
Balmoral	.....	.....	.....	1	.....	.....	.....	1
Beauchamp, avenue	.....	.....	1	.....	1	.....	.....	2
Berthelet, from No. 47	.....	.....	.....	.....	.....	17	.....	17
Bleury	3	.....	.....	4	.....	.....	.....	7
Bourgoin	1	.....	.....	.....	.....	.....	.....	1
Bronsdon, Lane	.....	1	.....	.....	.....	.....	.....	1
Chenneville	.....	.....	.....	.....	1	.....	.....	1
City Councillors, odd Nos	1	.....	.....	3	1	.....	.....	5
Concord	.....	.....	.....	.....	.....	.....	.....	.....
Coté	.....	.....	.....	.....	1	.....	.....	1
Craig, from No. 511 to 713	.....	.....	.....	.....	1	.....	.....	1
Devienne	.....	.....	.....	.....	.....	.....	.....	.....
Dorchester, from No. 566 to 758	.....	.....	.....	.....	2	.....	.....	2
Dowd	.....	.....	.....	.....	.....	.....	.....	.....
Durocher, odd Nos	1	.....	.....	.....	.....	.....	.....	1
Evans	.....	.....	.....	.....	.....	.....	.....	.....
Guilbault	.....	.....	.....	.....	.....	.....	.....	.....
Hermine	.....	.....	.....	.....	.....	.....	.....	.....
Josephine, Lane	.....	.....	.....	.....	.....	.....	.....	.....
Jurors	1	.....	.....	.....	1	.....	.....	2
Lagauchetière, from No. 541 to 753	1	.....	1	.....	1	.....	.....	3
Mance	1	.....	.....	1	4	.....	.....	6
Mayor, from No. 2 to 57	.....	.....	.....	.....	.....	.....	.....	.....
Mignonne, from No. 1362	1	.....	.....	.....	.....	1	.....	2
Milton	.....	.....	.....	.....	.....	.....	.....	.....
Mitcheson	.....	.....	.....	.....	.....	.....	.....	.....
Moulton, avenue	.....	.....	.....	.....	.....	.....	.....	.....
Ontario, from No. 1682	.....	.....	.....	.....	.....	.....	.....	.....
Parke, avenue	1	.....	.....	.....	1	.....	.....	2
Pine, avenue	.....	.....	.....	.....	2	.....	.....	2
Plateau	.....	.....	.....	.....	.....	.....	.....	.....
Platt	.....	.....	.....	.....	.....	.....	.....	.....
Plateau, avenue	.....	.....	.....	.....	.....	.....	.....	.....
Prince-Arthur, from No. 79 to 227	2	.....	.....	.....	.....	.....	.....	2
Sherbrooke, from No. 537 to 733	1	.....	.....	.....	.....	2	.....	3
St-Alexander, odd nos	2	.....	.....	.....	.....	1	.....	3
St-Bernard	.....	.....	.....	.....	1	.....	.....	1
St-Catherine, from no 1919 to 2143	9	.....	.....	.....	.....	5	.....	14
St-Charles-Borromeo	1	1	1	.....	2	3	.....	8
Carried over	28	2	3	10	20	30	.....	93

CONTAGIOUS DISEASES, ST. LAWRENCE WARD —*Continued.*

STREETS.	Diphtheria	Diphtheril. Croup	Croup.	Scarlatina	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	28	2	3	1	20	30	.....	93
St. Cuthbert	.....	.....	.....	.....	.....	.....	.....	.....
St. Edward	.....	.....	.....	.....	.....	.....	.....	.....
St. Famille	1	.....	.....	1	.....	1	.....	3
St. George	3	.....	.....	3	1	1	.....	8
St. Lawrence, even numbers to 712	.....	.....	.....	.....	.....	.....	.....	.....
St. Philip	2	.....	.....	.....	.....	.....	.....	2
St. Urbain	14	.....	1	1	2	1	.....	19
Tara Hall, avenue	1	.....	.....	.....	.....	.....	.....	1
Theatre, Lane	.....	.....	.....	.....	.....	.....	.....	.....
Vallée	.....	.....	.....	.....	.....	2	.....	2
Vitré, from number 105 to 189	.....	.....	.....	.....	.....	.....	.....	.....
White	.....	.....	.....	.....	.....	.....	.....	.....
Winning	1	.....	.....	.....	.....	.....	.....	1
	50	2	4	15	23	35	.....	129

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. LOUIS WARD.

Streets.	Diphtheria.	Diphtherit. Croup.	Croup.	Scarlatina	Typhoid Fever.	Measles.	Varicella.	Total.
Albina			1		1	4		6
Bérard								
Boyer								
Brunet								
Cadieux, from No. 2 to 255		1		3	1	6		11
Charbonneau								
Charlotte								
Courville								
Craig, from No. 363 to 507								
Dorchester, from No. 429 to 551					5	2		7
Drolet, from No. 1 to 183	3			1	1	4		9
Dubord, from No. 101								
Dufaux								
German	4		2			2		8
Desmarais								
Elizabeth, Terrace								
Ernest					2			2
Fortier						1		1
Grothé								
Laberge, Lane								
Lagauchetière, from No. 387 to 538	1			1	1			3
Lagauchetière, Lane								
Laval, Av. from No. 2 to 272 and from 1 to 231	1					4		5
Leduc, Lane	2				1	1	1	5
Marie-Louise, Avenue	1							1
Market Square								
Mignonne, from No. 1208 to 1362	1				1			2
Mount St-Charles, Place								
Napoléon								
Ontario, from No. 1505 to 1676	1			1				2
Pantaléon, from No. 1 to 20	2		1					3
Perrault, Lane								
Picard, Lane								
Pine, Avenue								
Prince-Arthur, from No. 7 to 70								
Roy						2		2
Sanguinet, from No. 1 to 642	1		1	1		4		7
Sherbrooke, from No. 383 to 536						3		3
St-Agatha								
St-Catherine, from No. 1703 to 1915								
St-Constant	3		1	2	4			10
Carried over	20	1	6	9	17	33	1	87

CONTAGIOUS DISEASES, St. Louis Ward.—*Continud.*

Streets.	Diphtheria.	Diphtheri, Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	20	1	6	9	17	33	1	87
St-Denis, from number 2 to 522	.....	.....	.....	3	.....	.....	.....	3
St-Dominique, from number 1 to 720	8	.....	.....	8	6	11	.....	33
Ste-Elizabeth	.....	1	.....	1	1	6	.....	9
St-Emery	.....	.....	.....	.....	.....	.....	.....	.....
St-Hypolite, from number 1 to 317	1	.....	1	.....	2	15	.....	19
St-Hypolite, Lane	.....	.....	.....	.....	.....	.....	.....	.....
St-Julia	.....	.....	.....	.....	.....	.....	.....	.....
St-Justin	.....	.....	.....	.....	1	.....	.....	1
St-Laurent, from number 1 to 913	3	.....	.....	1	2	2	.....	8
St-Louis, from number 90 to 127	1	.....	.....	.....	.....	.....	.....	1
Vitré, from number 1 to 102	.....	.....	.....	2	1	3	.....	6
	33	2	7	24	30	70	1	167

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. JAMES WARD.

Streets.	Diphtheria	Diphtheri Croup.	Croup.	Scarlatina	Typhoid Fever.	Measles.	Varicella.	Total.
Amherst	4	1	2	1	3	8		19
Barclay								
Beaudry					3	2		7
Beaudry, Lane								
Berri, from No. 1 to 713			1	3	3	4		11
Berri, Lane								
Bonaparte								
Brien, Avenue					1			1
Brock					1	1		2
Campeau						1		1
Chambly, Avenue						4		4
Cherrier								
Contant	1			1		3		5
Craig, from No. 184 to 352								
Dorchester, from No. 232 to 409	1							1
Dubord, from No. 1 to 75						2		2
Grant					1			1
Houle								
Jacques-Cartier	2	2	1	1	2			8
Labelle								
Lacroix, odd Nos								
Lafayette, Avenue						1		1
Lagauchetière, from Nos. 163 to 376	1		1		1	1		4
Louis Hypolite								
Maple, from No. 1 to 323	3		1		1	3		8
Marie Joseph								
Mignonne, from No. 1005 to 1205			1					1
Montana, from No. 1 to 202						2		2
Montcalm	1		3	6		3		13
Notre-Dame, from No. 1191 to 1289	1				1			2
Ontario, from No. 1181 to 1500	1		1	2	1			5
Perthius	1							1
Rappel								
Rivard, from No. 1 to 45								
Robin								
Rousseau								
Sherbrooke, from No. 190 to 383								
St. André	3	1			1	11		16
St. André, Lane								
St. Catherine, from No. 1407 to 1703					1			1
St. Christophe	2							2
St. Denis, odd Nos. from 23 to 493	1			2	1		1	5
St. Hubert	1				4	1		6
Carried over	25	4	11	16	25	47	1	129

CONTAGIOUS DISEASES, ST. JAMES WARD.—*Continued.*

STREETS.	Diphtheria	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	25	4	11	16	25	47	1	129
St-Louis, from No. 1 to 71	.....	.....	.....	.....	.....	.....	.....	.....
Visitation, even numbers	.....	.....	.....	.....	1	5	.....	6
Water	.....	.....	.....	.....	.....	.....	.....	.....
Wolfe	1	.....	2	.....	1	4	.....	8
	26	4	13	16	27	56	1	143

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. MARY'S WARD.

Streets.	Diphtheria	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Albert, East						5		5
Allard								
Ampleman, Lane								
Archambault, Lane					1			1
Barclay					1			1
Bishop								
Brant								
Champlain		1			3	4		8
Chausse								
Craig, from No. 1 to 177					2	4		6
Dansereau, from Papineau street	2							2
DeLorimier	2					1		3
DeSalabery					1			1
Desrivières, from No. 368 Papineau					2			2
Dorchester, from No. 1 to 226					2	5		7
Dufresne					1	1		2
Erie								
Frontenac, from No. 1 to 135, and from 2	2					2		4
Frontenac, Lane						1		1
Fullum				6	2			8
Fullum, Lane								
Gain	1		1		2			4
Grant, Lane								
Harmony								
Iberville, from No. 141					1			1
Joachim, Lane								
Jules, Avenue, from Gain street				1				1
Kent					1			1
Lafontaine, from No. 34	1				3			4
Lagauchetière, from No. 1 to 157						2		2
Larivière								
Logan, from No. 33			2	1	2			5
Logan's Farm								
Longueuil, ferry								
Maisonneuve	2		1	1		1		5
Marie-Anna					1	1		2
Mathieu, Lane								
Mignonne, from No. 227 to 1004	1		2		13			16
Molson Terrace								
Monarque								
Morin								
Munro, Lane								
Carried over	11	1	6	9	38	27		92

CONTAGIOUS DISEASES, St. Mary's Ward.—*Continued.*

Streets.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Brought forward	11	1	6	9	38	27	.....	92
Nelleda	.....	.....	.....	1	.....	.....	.....	1
Nonancourt	.....	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from number 597 to 1181	.....	.....	.....	.....	4	1	.....	5
Ontario, from number 660 to 1178	.....	.....	1	.....	1	.....	.....	2
Panet	2	.....	2	1	1	8	.....	14
Papineau	.....	.....	1	2	1	.....	.....	4
Papineau, Square	.....	.....	.....	.....	.....	.....	.....	.....
Parker	.....	.....	.....	.....	.....	.....	.....	.....
Parthenais	.....	.....	.....	.....	1	8	.....	9
Plessis	.....	.....	.....	.....	1	.....	.....	1
Poupart	.....	.....	1	.....	2	.....	.....	3
Provençal, Lane	.....	.....	1	.....	.....	.....	.....	1
Rivet, Lane	.....	.....	.....	.....	1	.....	.....	1
Robb, Terrace	.....	.....	.....	.....	1	.....	.....	1
Shaw	.....	.....	.....	.....	2	5	.....	7
Sherbrooke, from number 1 to 190	.....	.....	.....	.....	.....	.....	.....	.....
St-Adolphe	.....	.....	.....	.....	.....	.....	.....	.....
St-Alexis, Lane	.....	.....	.....	.....	.....	.....	.....	.....
St-Alphonse	.....	.....	.....	.....	.....	1	.....	1
St-Catherine, from number 629 to 1406	.....	.....	.....	.....	1	.....	.....	1
St-Elizabeth, Lane	.....	.....	.....	.....	1	.....	.....	1
St-Germain	.....	.....	.....	.....	1	5	.....	6
St-Ignace	.....	.....	.....	.....	.....	.....	.....	.....
St-Jean, Lane	.....	.....	.....	.....	.....	.....	.....	.....
St-Pierre, from Mignonne	.....	.....	.....	.....	.....	.....	.....	.....
St-Pierre, near Sherbrooke	.....	.....	.....	.....	.....	.....	.....	.....
St-Roch, Lane	.....	.....	.....	.....	.....	1	.....	1
St-Rose	.....	.....	.....	.....	.....	3	.....	3
Sydenham, Lane	.....	1	.....	.....	.....	.....	.....	1
Tansley	.....	.....	.....	.....	.....	.....	.....	.....
Visitation, odd number	.....	.....	6	.....	2	.....	.....	8
Voltigeurs	.....	.....	.....	.....	.....	4	.....	4
Water, from number 1 to 81	.....	.....	.....	.....	1	.....	.....	1
Veuve, Lane	.....	.....	.....	.....	.....	.....	.....	.....
	13	2	18	13	59	63	.....	168

CONTAGIOUS DISEASES BY STREETS AND WARDS.

WEST WARD

Streets.	Diphtheria.	Diphtheritic Croup.	Croup.	Scarlatina	Typhoid Fever	Measles.	Varicella.	Total.
Callières	.....	.....	.....	.....	.....	.....	.....	.....
Commissioners, from No. 261 to 347	.....	.....	.....	.....	1	.....	.....	1
Common, from No. 1 to 31	.....	.....	.....	.....	.....	.....	.....	.....
Craig, from No. 602 to 736	.....	.....	.....	.....	.....	.....	.....	.....
Dollard	.....	.....	.....	.....	.....	.....	.....	.....
Foundling street, from No. 54 to 104	.....	.....	.....	.....	.....	.....	.....	.....
Fortification	.....	.....	.....	.....	.....	.....	.....	.....
Hospital	.....	.....	.....	.....	.....	.....	.....	.....
Lemoine	.....	.....	.....	.....	.....	.....	.....	.....
McGill, from No. 1 to 233	.....	.....	.....	.....	.....	.....	.....	.....
Normand	.....	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from No. 1722 to 1843	.....	.....	.....	.....	.....	1	.....	1
Port	.....	.....	.....	.....	.....	.....	.....	.....
Recollets	.....	.....	.....	.....	.....	.....	.....	.....
St-Alexis	.....	.....	.....	.....	.....	.....	.....	.....
St-Eloi	.....	.....	.....	.....	.....	.....	.....	.....
St-François-Xavier, even numbers	.....	.....	.....	1	.....	.....	.....	1
St-Helen	.....	.....	.....	.....	.....	.....	.....	.....
St-James, from No. 132 to 266	.....	.....	.....	1	1	1	.....	3
St-John	.....	.....	.....	.....	.....	.....	.....	.....
St-Nicholas	.....	.....	.....	.....	.....	.....	.....	.....
St-Paul, from No. 438 to 540	.....	.....	.....	.....	.....	.....	.....	.....
St-Peter	.....	.....	.....	.....	.....	.....	.....	.....
St-Sacrament	.....	.....	.....	.....	.....	.....	.....	.....
Victoria square, from No. 2 to 24	.....	.....	.....	.....	.....	.....	.....	.....
Youville	.....	.....	.....	.....	.....	.....	.....	.....
				2	2	2		6

CONTAGIOUS DISEASES BY STREETS AND WARDS.

CENTRE WARD

Streets.	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Capital	.....	.....	.....	.....	.....	.....	.....	.....
Commissioners	.....	.....	.....	.....	.....	.....	.....	.....
Craig, even numbers, from 494 to 600.	.....	.....	.....	.....	.....	.....	.....	.....
Custom House Square	.....	.....	.....	.....	.....	.....	.....	.....
DeBresoles	.....	.....	.....	.....	.....	.....	.....	.....
Fortification, from No. 1 to 105	.....	.....	.....	.....	.....	.....	.....	.....
LeRoyer, from No. 130 to 149	.....	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from No. 1611 to 1720	.....	.....	.....	.....	.....	.....	.....	.....
Place d'Armes	.....	.....	.....	.....	.....	.....	.....	.....
Place d'Armes Hill	.....	.....	.....	.....	.....	.....	.....	.....
St-Dizier	.....	.....	.....	.....	.....	.....	.....	.....
St-François-Xavier, odd numbers	.....	.....	.....	.....	.....	.....	.....	.....
St-Gabriel, even numbers	.....	.....	.....	.....	.....	.....	.....	.....
St-James, from No. 46 to 128	.....	.....	.....	.....	1	.....	.....	1
St-Jean-Baptiste	.....	.....	.....	.....	.....	.....	.....	.....
St-Lambert	.....	.....	.....	.....	1	.....	.....	1
St-Paul, from No. 286 to 435	.....	.....	.....	.....	.....	.....	.....	.....
St-Sulpice	.....	.....	.....	.....	.....	.....	.....	.....
					2			2

CONTAGIOUS DISEASES BY STREETS AND WARDS.

EAST WARD.

Streets.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Bonsecours	.....	.....	.....	.....	.....	.....	.....	.....
Barrack	.....	.....	.....	.....	.....	.....	.....	.....
Champ-de-Mars	.....	.....	.....	.....	1	.....	.....	1
Commissioners, from No. 1 to 125	.....	.....	.....	.....	.....	.....	.....	.....
Craig	.....	.....	.....	.....	1	.....	.....	1
Dalhousie Square	.....	.....	.....	.....	.....	.....	.....	.....
Friponne	.....	.....	.....	.....	.....	.....	.....	.....
Gosford	.....	.....	.....	.....	.....	.....	.....	.....
Jacques-Cartier Square	.....	.....	.....	.....	.....	.....	.....	.....
LeRoyer, from No. 2 to 13	.....	.....	.....	.....	.....	.....	.....	.....
Lacroix, even numbers	.....	.....	.....	.....	.....	.....	.....	.....
Notre-Dame, from No. 1410 to 1610	1	.....	.....	.....	2	1	.....	4
St-Amable	.....	.....	.....	.....	.....	.....	.....	.....
St-Claude	.....	.....	.....	.....	.....	.....	.....	.....
St-François	.....	.....	.....	.....	.....	.....	.....	.....
St-Gabriel, odd numbers	.....	.....	.....	.....	.....	.....	.....	.....
St-James	.....	.....	.....	.....	.....	.....	.....	.....
St-Louis, even numbers	.....	.....	.....	.....	.....	.....	.....	.....
St-Paul, from No. 32 to 282	.....	.....	.....	.....	.....	.....	.....	.....
St-Vincent	.....	.....	.....	.....	.....	.....	.....	.....
St-Thérèse	.....	.....	.....	.....	.....	1	.....	1
Vaudreuil	.....	.....	.....	.....	.....	.....	.....	.....
Victor	.....	.....	.....	.....	.....	.....	.....	.....
	1	.....	.....	.....	4	2	....	7

CONTAGIOUS DISEASES BY STREETS AND WARDS.

HOCHELAGA WARD.

Streets.	Diphtheria	Diphtherit Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Desery	.....	.....	2	.....	.....	6	.....	8
Frontenac, from No. 1 to 135	.....	.....	.....	.....	.....	.....	.....	.....
Gale	.....	.....	.....	.....	.....	.....	.....	.....
Harbour	.....	.....	.....	2	1	.....	.....	3
Hudon	.....	.....	.....	.....	.....	.....	.....	.....
Iberville, from No. 1 to 141	1	.....	.....	.....	.....	.....	.....	1
Lafontaine	.....	.....	.....	.....	.....	.....	.....	.....
Marlborough	.....	.....	1	.....	1	.....	.....	2
Moreau	1	.....	.....	.....	.....	1	.....	2
Notre-Dame, from No. 1 to 597	.....	.....	.....	.....	2	.....	.....	2
Ontario, from No. 1 to 654	.....	.....	.....	.....	.....	1	.....	1
Préfontaine	.....	.....	.....	.....	.....	.....	.....	.....
Provost	1	.....	.....	.....	1	.....	.....	2
Robillard	.....	.....	.....	.....	.....	.....	.....	.....
Rouville, from No. 1 to 227	.....	.....	.....	.....	1	.....	.....	1
Seaver	.....	.....	.....	.....	.....	.....	.....	.....
Sherbrooke	.....	.....	.....	.....	.....	.....	.....	.....
Stadacona	1	.....	.....	.....	.....	.....	.....	1
St-Catherine, from No. 1 to 627	.....	.....	1	.....	.....	6	.....	7
St-Germain	.....	.....	.....	.....	.....	1	.....	1
St-Michel	.....	.....	.....	.....	.....	.....	.....	.....
	4	.....	4	2	6	15	....	31

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. JEAN-BAPTISTE WARD.

Streets.	Diphtheria	Diphtherit. Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Amherst	....	.....	.....	.....	.....	.....	.....	.....
Berri, from No. 720	.....	1	1	.....	.....	5	.....	7
Brebœuf	1	.....	.....	.....	.....	1	.....	2
Cadieux, from Nos. 254 and 259	1	.....	.....	.....	2	3	.....	6
Cérat	.....	.....	.....	.....	.....	.....	.....	.....
Drolet, from No. 183	1	.....	1	.....	.....	.....	.....	2
Dufferin	...	.....	.....	.....	.....	2	.....	2
Duluth	.....	.....	.....	1	.....	.....	.....	1
Jean	.....	.....	.....	.....	.....	.....	.....	.....
Laval ave., from Nos 274 and 233	1	.....	1	4	1	4	.....	11
Lionais	.....	.....	.....	.....	.....	.....	.....	.....
Logan's Farm	.....	.....	.....	.....	.....	.....	.....	.....
Maple, from Nos. 376 and 323	1	..	1	....	.....	6	.....	8
Marie-Anne	.....	.....	.....	.....	1	.....	.....	1
Market	1	....	.....	.....	....	.....	.....	1
Mitchison	.....	.....	.....	.....	.....	.....	.....	.....
Montana, from No. 202	.....	.....	.....	.....		3	.....	8
Mont-Royal Ave., even numbers	1	.....	.....	2	1	...	.....	4
Pantaleon, from No. 21	.....	.....	.....	1	....	.....	.....	1
Papineau	.....	.....	.....	.....	.....	.....	.....	.....
Rachel	1	1	.....	.....	.....	.....	.....	2
Rivard, from No 45	1	1	.....	.....	3	5	.....	10
Sanguinet, from No. 645	1	.....	.....	.....	1	.....	.....	2
Seaton	.....	.....	.....	....	.....	2	.....	2
St-Denis, from No. 495	1	.....	1	....	.....	2	.....	4
St-Dominique, from No. 722	1	.....	.....	.....	.....	4	.....	5
St-Hypolite, from No. 317	.....	.....	2	1	1	7	.....	11
St-Lawrence { from No. 956 to 1256.. / from No. 915 to 1269...	1	.....	1	.....	1	.....	1	4
	13	3	8	9	14	46	1	94

CONTAGIOUS DISEASES BY STREETS AND WARDS.

ST. GABRIEL WARD.

Streets.	Diphtheria.	Diphtherit. croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Atwater Avenue	.....	.....	.....	.....	.....	.....	.....	.....
Bourgeois	1	.....	.....	.....	.....	.....	.....	1
Centre, from No. 188	.....	.....	1	2	1	.....	.....	4
Charlevoix	.....	.....	.....	.....	1	.....	.....	1
Charron	1	.....	.....	1	.....	.....	.....	2
Chateauguay	.....	.....	.....	.....	.....	.....	1	1
Coleraine	.....	.....	.....	.....	.....	2	.....	2
Fortune	.....	.....	.....	.....	.....	.....	.....	.....
Grand-Trunk, from No. 157	2	.....	.....	.....	1	.....	.....	3
Hibernia	1	.....	.....	.....	1	.....	.....	2
Island	.....	.....	.....	.....	.....	.....	.....	.....
Garden	.....	.....	.....	.....	.....	.....	.....	.....
Knox	.....	.....	.....	.....	.....	.....	.....	.....
Liverpool	1	.....	.....	.....	.....	.....	.....	1
Magdalen, from No. 190	.....	.....	.....	1	.....	.....	.....	1
Manufacturers, from No. 77	.....	.....	.....	1	.....	.....	.....	1
Mullins, from No. 135	.....	.....	.....	.....	.....	.....	.....	.....
Paris	.....	.....	.....	2	.....	3	.....	5
Richardson	.....	.....	.....	.....	.....	.....	.....	.....
Rozel	.....	.....	.....	.....	.....	.....	.....	.....
Ropery	.....	.....	.....	.....	1	.....	.....	1
Rosario	.....	.....	.....	1	.....	.....	.....	1
Rushbrook	1	.....	.....	1	1	.....	.....	3
Ryde	.....	.....	.....	.....	.....	.....	.....	.....
St-Andrews	.....	.....	.....	.....	.....	.....	.....	.....
St-Charles	.....	.....	1	.....	.....	.....	.....	1
St-Patrick, from No. 226	1	.....	.....	.....	1	.....	.....	2
Soulanges	.....	.....	.....	.....	.....	.....	.....	.....
Wellington, from No. 601	.....	.....	.....	.....	.....	.....	.....	.....
	8	.....	2	9	7	5	1	32

CONTAGIOUS DISEASES BY MONTHS.

1891	Diphtheria.	Diphtheritic croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
January	22	2	6	23	15	136	1	205
February	19	1	8	32	23	123	.....	206
March	20	3	10	22	7	102	3	167
April	31	1	12	9	3	49	4	109
May	20	2	12	20	2	17	.....	73
June	28	1	1	12	2	5	.....	49
July	19	1	2	9	8	2	.....	41
August	9	1	3	20	46	1	.....	80
September	7	1	1	11	33	1	1	55
October	12	.....	3	12	52	2	.....	81
November	27	1	4	20	45	5	3	105
December	16	.....	6	27	24	23	1	97
Total	230	14	68	217	260	466	13	1268

Number of houses infected by contagious diseases.....	1002
Number of houses placarded on account of contagious diseases	262
Number of houses disinfected under the direction of the Department.....	425
Number of houses disinfected by family physicians.....	4
Number of houses disinfected by the heads of families.	12
Number of houses where disinfection was refused.....	472
Number of visits made by the disinfector.....	1626
Number of special visits made by the disinfector.....	224

CONTAGIOUS DISEASES ACCORDING TO AGES.

(CASES AND DEATHS.)

1891.	Under 6 months.	From 6 months to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	Total.
Diphtheria	.....	2	88	84	33	16	5	2	.....	.....	.....	230
Diphteritic croup...	.....	.....	10	3	1	.....	.....	.....	.....	.....	.....	14
Croup..	1	4	51	12	.....	.....	.....	.....	.....	.....	.....	68
Scarlatina.....	.....	5	83	82	33	11	3	.....	.....	.....	.....	217
Typhoid Fever	1	.....	12	31	80	88	29	11	7	.....	1	260
Measles.....	12	42	154	183	52	16	6	1	.....	.....	.....	466
Varicella	.....	1	6	5	1	.....	.....	.....	.....	.....	.....	13
Total....	14	54	404	400	200	131	43	14	7	.....	1	1268

RESUMÉ OF CONTAGIOUS DISEASES BY NATIONALITIES.

CASES AND DEATHS.

NATIONALITIES.	Diphtheria.	Diphtheritic Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
Canadians	81	10	60	30	96	145	4	426
English	65	2	5	66	73	187	6	404
Irish	45	1	2	54	57	49	2	210
Scotch	20	.....	.....	52	20	55	.....	147
French	3	1	1	1	3	9	.....	18
Germans	4	.....	.....	5	.....	9	.....	18
Italians	2	.....	.....	.....	3	.....	.....	5
Belgians	.....	.....	.....	.....	1	1	.....	2
Swedes	.....	.....	.....	1	1	.....	.....	2
Danes	.....	.....	.....	.....	.....	1	.....	1
Flemish	.....	.....	.....	.....	1	.....	.....	1
Swiss	.....	.....	.....	.....	2	.....	.....	2
Americans	.....	.....	.....	1	1	3	.....	5
Jersey	3	.....	.....	.....	.....	.....	.....	3
Prussians	.....	.....	.....	1	.....	.....	.....	1
Jews	7	.....	.....	4	2	7	1	21
Japanese	.....	.....	.....	1	.....	.....	.....	1
Negroes	.....	.....	.....	1	.....	.....	.....	1
Total	230	14	68	217	260	466	13	1268

CONTAGIOUS DISEASES BY WARDS.

1891 WARDS.	Diphtheria.	Diphtheritic croup.	Croup	Scarlatina.	Typhoid Fever.	Measles.	Varicella.	Total.
St-Ann's	26	.....	4	28	34	9	.....	101
St-Antoine	56	2	7	99	52	163	9	388
St-Gabriel	8	.....	2	9	7	5	1	32
St.James	26	4	13	16	27	56	1	143
St-Jean-Baptiste	13	2	9	9	14	46	1	94
St-Louis	33	2	7	24	30	70	1	167
St-Lawrence	50	2	4	15	23	35	.....	129
St-Mary's	13	2	18	13	59	63	.....	168
Hochelaga	4	.....	4	2	6	15	.....	31
Centre	.....	.....	.....	.....	2	.....	.....	2
East	1	.....	.....	.....	4	2	.....	7
West	.....	.....	.....	2	2	2	.....	6
Total	230	14	68	217	260	466	13	1268

DEFECTS FOUND IN HOUSES INFECTED BY CONTAGIOUS DISEASES.

Diseases.	Drain pipes. Cases & deaths.	Soil pipes from water-closets. Cases & deaths.	Privies connected with sewers Cases & deaths.	Waste pipes from sinks. Cases & deaths.	Damp walls. Cases & deaths.	Hidden defects. Cases & deaths.	Could not be examined. Cases & deaths.	Water in cellar. Cases & deaths.	Yards and dependencies dirty. Cases & deaths.	Water-closets in bad order. Cases & deaths.	Privies causing nuisance. Cases & deaths.	False addresses. Cases & deaths.	Total.
Diphtheria....	39	4	3	25	.....	110	23	4	1	5	6	10	230
Diphtheritic croup.....	5	.....	.....	.....	.....	4	5	.....	.....	.....	.....	.....	14
Croup	18	.....	.....	8	.....	32	6	1	.....	.....	2	1	68
Scarlatina....	17	.....	.....	18	1	148	24	.....	.....	2	3	4	217
Typh'd Fever	53	5	1	37	.....	106	24	1	1	11	11	10	260
Measles.....	45	4	3	29	.....	293	59	4	.....	5	20	4	466
Varicella.....	1	.....	1	.....	.....	7	4	.....	.....	.....	.....	.....	13
Total.....	178	13	8	117	1	700	145	10	2	23	42	29	1268

CONTAGIOUSNESS OF DIFFERENT DISEASES AS SHOWN BY THE NUMBER OF CASES OCCURRING IN EACH HOUSE.

Diphtheria.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	.....	Total.
168	18	3	.....	2	.....	1	.....	230

Diphtheritic Croup.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	.....	Total.
14	.....	.....	.....	.....	.....	.....	.....	14

Croup.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	.....	Total.
59	3	1	.....	.....	.....	.....	.....	68

Scarlatina.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	.....	Total.
128	22	9	3	.....	1	.....	.....	217

Typhoid Fever.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	.....	Total.
219	8	3	4	.....	.....	.....	.....	260

Measles.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases		Total.
126	38	26	15	6	.....	.....	1 house 8 cases ...	
							1 " 9 " ...	
							1 " 10 " ...	466
							1 " 12 " ...	
							1 " 17 " ...	
							1 " 40 " ...	

Varicella.

1 Case	2 Cases	3 Cases	4 Cases	5 Cases	6 Cases	7 Cases	.....	Total.
8	1	1	.....	.....	.....	.....	.....	13

Total..... 1268

STATEMENT OF HOUSES DESINFECTED, BY MONTHS.

	Diphtheria.	Diphtheritic Croup.	Croup.	Scarlatina.	Typhoid Fever.	Measles.	Total.
January	16	2	1	14	.....	10	43
February	18	1	6	20	6	1	52
March	16	3	6	14	.....	4	43
April	22	.....	10	8	1	5	46
May	16	1	7	18	.....	1	43
June	22	1	.....	12	1	.....	36
July	13	1	2	5	.....	.....	21
August	6	1	2	13	1	.....	23
September	6	1	1	7	3	.....	18
October	11	.....	2	11	1	.....	25
November	17	1	3	14	1	1	37
December	16	.....	1	19	.....	2	38
Total	179	12	41	155	14	24	425

BIRTHS AND MARRIAGES DURING THE YEAR 1891.

ACCORDING TO THE ACTS OF CIVIL STATUTES SUPPLIED BY THOSE HAVING CHARGE OF THE ECCLESIASTICAL REGISTERS.

CATHOLIC CHURCHES	Births. Sex. M.	Births. Sex. F.	Marriages.
French-Canadians:			
Cathedral	7	2	121
Notre-Dame	520	466	264
St-Jacques le Majeur	333	384	175
St-Joseph's	273	262	116
Sacré Cœur de Jésus	522	451	162
St-Bridget	490	440	153
St-Charles	202	200	51
St-Vincent de Paul	266	280	97
St-Jean-Baptiste	364	410	108
St-Louis	165	143	48
La Nativité de la Sainte-Vierge, Hochelaga	151	138	66
St-Grégoire le Thaumaturge	70	67	19
Hospice de la Maternité	150	150	.....
Sœurs Grises	54	82	.....
Hôtel-Dieu	4	1	.....
	3571	3476	1380
Other Catholics:			
St-Patrick's	205	214	88
St-Ann's	163	141	79
St-Mary of Good Counsel	75	60	22
St-Antony's	70	67	24
St-Gabriel	70	74	19
	583	556	232

BIRTHS AND MARRIAGES DURING THE YEAR 1891.—*Continued.*

PROTESTANT CHURCHES.	Births Sex. M.	Births Sex. F.	Marriages.
Churches of England :			
Christ Church (Cathedral)	8	11	16
Trinity	10	29	13
St-George's	51	41	36
St-James the Apostle	15	12	7
St-Martin	22	21	12
St-Thomas	12	10	5
Grace	49	58	29
St-Stephen's	27	30	33
St-Luke's	23	26	15
Reformed Episcopal, St-Bartholomew	10	5	3
St-Mary's, Hochelaga	5	6	5
St-Jude's			
Anglican City Missionary, House of Refuge	20	21	1
	252	270	175
Presbyterian Churches :			
Scotch Presbyterian	28	20	20
St-Gabriel			
Knox	18	6	14
Presbyterian (Calvin)	27	28	29
St-Mark's	9	9	13
American Presbyterian	19	16	19
St-Paul's	12	13	9
Free Presbyterian			
Erskine	16	10	2
Presbyterian (Point St-Charles)	41	48	11
Presbyterian (Stanley Street)	7	17	9
St-Andrew's	9	9	10
Presbyterian (Crescent Street)	17	6	11
Presbyterian (French, Russell Hall)	5	7	6
Presbyterian (Saviours Church)			
Chalmers	13	10	6
Taylor's	15	13	12
Eglise du Rédempteur	1	3	.....
	237	220	171
Methodist Churches :			
Methodist (St. Catherine St.)	13	17	18
Methodist (Mountain)	11	13	15
Methodist (Sherbrooke St.)	19	13	8
Methodist (Point St. Charles)	3	2	1
Methodist Congregation (Dominion Square)	11	10	5
	57	55	47

BIRTHS AND MARRIAGES DURING THE YEAR 1891.—*Continued.*

PROTESTANT CHURCHES.	Births Sex. M.	Births Sex. F.	Marriages.
Brought forward	57	55	47
Methodist Churches.—*Continued:*			
Methodist (Dorchester St.)	29	16	7
Methodist (1st French)	4	5	14
Methodist (East End)	10	11	11
Methodist (West End)	18	20	5
Methodist (Home Mission, 61 Cathcart St.)			
Methodist (Douglas)	2	5	4
Methodist (French Mission)	6	3	6
Methsdist (Hochelaga)	5	7	1
Methodist (12th Circuit)	4	4	1
	135	126	96
Baptist Churches:			
Olivet	12	12	6
French Congregation	3	3	3
First Baptist			
	15	15	9
(Congregational Churches):			
Congregational (meets in Zion Church)	4	1	6
Congregational (meets in Calvary Church)	6	7	6
Emmanuel	2	5	2
	12	13	14
Unitarian Church:			
Christian Unitarian	11	11	6
Lutheran Church:			
erman Evangelical			
Advent Church:			
Advent Christian	2	3	3
Montreal General Hospital			

BIRTHS AND MARRIAGES DURING THE YEAR 1891.—*Continued.*

	Births. Sex. M.	Births. Sex. F.	Marriages.
Jewish Churches:			
New Jerusalem	.....	1	.....
German, English and Polish	7	5	15
Jewish Religion	29	6	1
Temple Emmanuel	1	.....	5
Polish and Russian (B'uery of Jacob)			
	37	12	21
RECAPITULATION.			
Catholic Churches — French-Canadian	3571	3476	1380
Catholic Churches — Other catholics	583	556	232
Protestant " — Anglican	252	270	175
Protestant " — Presbyterian	237	220	171
Protestant " — Methodist	135	126	96
Protestant " — Baptist	15	15	9
Protestant " — Congregational	12	13	14
Protestant " — Unitarian	11	11	6
Protestant " — Advent Christian	2	3	3
Jewish "	37	12	21
Births registered by the Department	7	12	
Total	4862	4714	2107

LISTS OF BAPTISMS FURNISHED TO THE HEALTH DEPARTMENT FROM 1886 TO 1891, BY THE DIFFERENT CHURCHES THROUGHOUT THE CITY.

CHURCHES.	1886		1887		1888		1889		1890		1891	
CATHOLIC.	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.	Number of names rec'd	Illegitimates.	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.	Number of names rec'd.	Illegitimates.
Notre-Dame	1290	59	1285	45	1193	70	.056	52	914	31	956	30
Sacré-Cœur	798	7	873	4	894	2	908	12	940	11	975	8
St-Bridget	801	1	826	2	854	1	832	2	834	2	914	14
St-Jean-Baptiste	468	2	493	2	519	6	601	1	635	6	770	4
St-James	695	13	696	10	741	6	725	7	677	5	709	7
St-Vincent de Paul	356	7	380	5	437	8	429	2	467	6	533	10
St-Joseph	525	20	667	9	498	8	497	5	509	7	519	16
St-Charles	229	.....	293	2	264	1	304	..	304	...	399	2
St-Ann's	277	4	169	4	329	1	310	2	299	1	322	1
St-Louis	.....	.....	.....	...	61	.....	217	2	232	...	306	2
Hochelaga	204	2	215	2	258	1	236	4	241	1	289	1
St-Gregoire	.....	.....	.....	...	114	.....	133	...	133	1	135	2
St-Mary of Good Counsel	130	1	50	...	141	.....	121	...	114	2	133	1
St-Anthony's	73	1	88	1	93	1	94	5	115	2	133	6
St-Gabriel	.....	.....	53	2	107	.....	116	1	133	...	144	.....
Total	5846	117	6088	88	6503	105	6579	95	6547	75	7237	104
PROTESTANT.												
St-George's	57	.....	94	...	75	.....	80	1	62	...	85	.....
St-Jude's	.....	.....	.....	...	44	.....	103	...	51	...	56	.....
St-Luke's	25	.....	.....	...	40	.....	.....	...	82	...	50	.....
St-Thomas	.....	.....	17	...	.....	.....	.....	...	.....	...	.....	.....
Grace	20	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
Messiah	11	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
St-Mark's	5	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
St-John Presbyterian	25	.....	17		.....	.....	.....	...	.....	...	.....	.....
Crescent	3	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
St-Andrews	4	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
St-Gabriel Presbyterian	23	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
St-Bartholomew	22	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
First French Methodist	4	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
West End Methodist	11	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
Dominion Sqre Methodist	5	.....	.....	...	.....	.....	.....	...	.....	...	.....	.....
St-Mary's	.....	.....	12	...	.....	.....	.....	...	.....	...	.....	.....
Christ Church Cathedral	.....	.....	.....	...	.....	.....	.....	...	.....	...	19	.....
Trinity	.....	.....	.....	...	.....	.....	.....	...	.....	...	37	.....
Christian Brethern	.....	.....	.....	...	.....	.....	.....	...	.....	...	7	.....
Total	215	.....	140	...	159	.....	183	1	195	...	254	.....
Grand total	6178	.....	6316	...	6767	.....	6858	...	6817	...	7595	.....

FOUNDLING HOSPITAL.

Under the direction of the Grey Nuns.

1891.	Place of death.						Total	Nationality.								Total	Age at death.							Total	Sex.		Total
	The Hospital.	Montreal.	Côteau St-Louis.	St-Jean-Baptiste.	St-Vincent de Paul.	St-Rose.		Canadians.	English.	Irish.	Scotch.	Americans.	Germans.	French.	Jews.	Unknown.		Under 15 days.	Under 1 month.	Under 2 months.	Under 3 months.	From 3 mos to 6 mos.	From 6 months to 1 yr.	From 1 to 4 years.		Males.	Females.	
January	19	.....	1	.....	.....	.....	20	8	...	7	...	...	1	...	...	4	20	2	12	3	2	1	..	.....	20	11	9	20
February	17	.....	7	.....	1	1	26	5	2	10	...	...	...	...	...	9	26	5	9	8	...	1	2	1	26	11	15	26
March	8	.....	5	.....	.....	1	14	4	...	4	1	1	...	...	1	3	14	2	8	3	...	1	...	.....	14	3	11	14
April	12	3	6	.....	.....	.....	21	6	2	3	1	...	...	...	...	9	21	6	6	4	1	3	1	.....	21	13	8	21
May	8	2	8	.....	.....	....	18	7	1	2	...	...	...	...	...	8	18	4	4	8	2	..	..	.....	18	9	9	18
June	10	4	13	1	.....	1	29	6	1	8	2	...	...	1	...	11	29	4	12	3	8	1	1	.....	29	13	16	29
July	10	.....	7	9	.....	2	28	8	3	4	...	1	...	...	...	12	28	3	9	7	4	4	1	.....	28	14	14	28
August	7	.....	2	5	....	.....	14	8	...	5	...	...	...	...	1	1	14	6	3	3	1	1	...	.....	14	9	5	14
September	10	.....	1	4	.....	1	16	4	2	4	...	...	...	...	...	6	16	4	5	3	...	3	...	1	16	9	7	16
October	4	.....	4	6	.....	5	19	1	5	8	...	2	...	...	...	3	19	4	3	8	3	...	1	.....	19	6	13	19
November	4	.....	3	3	2	4	16	4	2	6	..	...	..	...	...	4	16	1	5	6	1	2	1	.....	16	9	7	16
December	7	.....	1	4	.....	2	14	6	3	1	...	1	...	...	...	3	14	2	10	1	1	...	...	.....	14	8	6	14
Total	116	9	58	32	3	17	235	67	21	62	4	5	1	1	2	72	235	43	86	57	23	17	7	2	235	115	120	235

HOSPICE DE LA MATERNITÉ.

Under the direction of the Sisters of Mercy.

1891.	Place of birth.					Total	Nationality.						Total	Age at death.							Total	Sex.		Total.
	Montreal.	Province of Quebec.	Province of Ontario.	United States.	England.		Canadians.	English.	Irish.	Scotch.	Americans.	Unknown.		Under 15 days.	Under 1 month.	Under 2 months.	Under 3 months.	From 3 to 6 months.	Fr. 6 m'ths to 1 year.	From 1 to 6 years.		Males.	Females.	
January	13	8	.....	7	.....	28	22	3	3	.....	.....	.....	28	12	10	2	2	1	...	1	28	11	17	28
February ..	7	10	.....	3	.....	20	15	1	4	.....	.....	.....	20	6	6	4	1	2	...	1	20	11	9	20
March	6	6	.....	7	.....	19	15	1	2	.....	1	.....	19	7	4	8	...	...	...	...	19	11	8	19
April	10	18	1	4	.....	33	29	.....	4	.....	.....	.....	33	15	13	5	...	...	...	...	33	20	13	33
May	10	15	5	6	.....	36	27	2	6	1	.....	.....	36	15	15	5	...	1	..	...	36	17	19	36
June	13	11	1	9	.....	34	27	1	6	.....	.....	.....	34	6	10	10	2	3	3	.	34	17	17	34
July	13	12	.....	7	.....	32	24	1	6	1	.....	.....	32	13	11	4	3	1	...	...	32	14	18	32
August	8	6	2	7	.....	23	16	.....	5	.....	.....	2	23	7	8	4	3	...	1	...	23	10	13	23
September ...	4	5	.....	5	.....	14	11	.....	3	.....	.....	.....	14	3	8	2	1	...	...	...	14	10	4	14
October.	4	9	1	5	.....	19	14	.....	5	.....	.....	.....	19	4	11	3	1	...	...	..	19	10	9	19
November ...	8	7	.....	8	1	24	18	2	4	.....	.....	.....	24	11	9	2	1	1	...	...	24	13	11	24
December	5	7	.....	7	1	20	14	1	4	.....	.....	1	20	7	11	1	1	...	...	...	20	12	8	25
Total....	101	114	10	75	2	302	232	12	52	2	1	3	302	106	116	50	15	9	4	2	302	156	146	302

STILL BIRTHS BY MONTHS.

SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Male	8	6	8	10	6	16	7	6	11	6	11	8	103
Female	5	10	11	5	9	9	4	10	5	7	5	3	83
Sex not mentioned	9	10	7	8	7	11	10	7	5	9	8	10	101
Total	22	26	26	23	22	36	21	23	21	22	24	21	287

TIME OF GESTATION.

Two months	...	...	..	1	...	.....	.....	.....	.....	1	.....	1	3
Three "	1	...	...	...	...	.....	.....	.....	.....	.....	.....	.....	1
Four "	1	...	2	...	1	2	1	2	.....	3	1	4	17
Five "	2	5	2	1	1	1	1	2	1	2	1	1	20
Six "	2	2	...	3	2	3	1	2	2	3	5	4	30
Seven "	1	3	1	...	1	3	1	2	3	2	2	2	21
Eight "	...	1	6	1	1	4	1	1	3	2	.....	2	22
Nine "	1	..	1	1	2	1	2	1	3	1	1	1	15
Not mentioned	14	15	14	16	13	22	14	13	9	8	14	6	158
Total	22	26	26	23	22	36	21	23	21	22	24	21	287

CERTIFIED.

By physicians	21	25	24	23	22	34	19	20	20	22	22	20	272
By midwives	1	1	2	...	...	2	1	3	1	.....	2	1	14
By the coroner	...	...	...	...	...	.....	1	.....	.....	.....	.....	.....	1
Not attended	...	...	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....
Total	22	26	26	23	22	36	21	23	21	22	24	21	287

PREMATURE BIRTHS BY MONTHS.

SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males	5	10	9	14	9	11	7	8	12	8	10	6	109
Females	5	11	9	7	10	5	10	2	5	4	11	3	82
Sex not mentioned	4	4	6	3	6	11	2	3	2	4	4	8	57
Total	14	25	24	24	25	27	19	13	19	16	25	17	248

TIME OF GESTATION.

Two months	...	...	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....
Three "	...	...	...	...	...	.....	1	.....	.....	.....	.....	.....	1
Four "	...	...	2	...	...	.....	.....	.....	.....	.....	1	.....	3
Five "	2	3	1	1	2	2	3	1	1	1	1	4	22
Six "	4	5	4	2	1	3	.....	2	4	1	1	1	28
Seven "	2	3	...	7	2	3	3	1	5	2	4	2	34
Eight "	...	...	1	3	2	.....	1	.....	2	2	2	.....	13
Nine "	...	...	1	...	...	.....	.....	1	1	1	2	1	7
Not mentioned	6	14	15	11	18	19	11	8	6	9	14	9	140
Total	14	25	24	24	25	27	19	13	19	16	25	17	248

CERTIFIED.

By physicians	14	24	22	24	24	26	19	12	18	15	24	17	239
By midwives	...	1	1	...	1	.....	.....	1	.....	1	1	.....	6
By the coroner	...	...	...	...	...	.....	.....	.....	.....	.....	.....	.....	.....
Not attended	...	...	1	...	...	1	.....	.....	1	.....	.....	.....	3
Total	14	25	24	24	25	27	19	13	19	16	25	17	248

VITAL STATISTICS

BIRTHS, MARRIAGES AND DEATHS FROM 1872 TO 1891 INCLUSIVE.

Year.	Population.	Deaths.	Rate per 1000 of the population.	Births.	Rate per 1000 of the population.	Marriages.	Rate per 1000 of the population.
1872	120759	4512	37.36	.....	.....	.....	
1873	123715	3716	30.03	.....	.....	.....	
1874	124745	4520	36.23	.....	.....	.....	
1875	129840	4328	33.33	.....	.....	.....	
1876	133000	4557	34.26	6558	49.53	1369	10.29
1877	134500	4715	35.05	6427	47 78	1121	8.33
1878	135000	4119	30.51	6402	47.42	1440	10.66
1879	135000	3704	27.43	.....	.....	.....	
1880	140000	3767	26.90	.....	.....	.....	
1881	143000	3888	27.18	.....	.....	.....	
1882	144000	3906	27.12	.....	.....	.....	
1883	150000	3849	25.60	.....	.....	.....	
1884	162959	4358	26.74	6728	41.28	1513	9.28
1885	167501	7825	46.71	6303	37.62	1495	8.92
1886	183504	4655	25.36	8326	45.37	1931	10.52
1887	189501	5286	27.96	8249	43.63	1984	10.46
1888	201743	5824	28 86	8658	42.91	2204	10.92
1889	210000	5588	26.60	8680	41.33	2107	10.03
1890	216300	5365	24.80	8672	40.09	2080	9.61
1891	218268	5391	24.24	9576	43.87	2107	9.65

CENSUS OF 1891.

The census of the City of Montreal obtained by the Federal Government in 1891, was made in spring and gave us a population of 216,644. As, in order to be exact, the annual statistics must be based upon a population calculated up to the middle of the year, an increase for three months had to be added to the above figure. The rate of annual increase being estimated at 3 per cent, which is much below the actual rate for the last decade (namely, 4.23 per cent), the population was estimated at the end of June at 218,268

BIRTHS, MARRIAGES AND DEATHS DURING THE YEAR 1891.

	Births.	Rate per 1000 of the population.	Surplus of Births over Deaths.
French Canadians	7047	55.44	3220
Other Catholics	1139	30.70	352
Protestants	1390	25.71	613
Total	9576	43.87	4185

COMPARATIVE TABLE OF BIRTHS AND DEATHS.

	French-Canadians.	Other Catholics.	Protestants.
Births	7047	1139	1390
Deaths	3827	787	777
Excess of births over deaths	3220	352	613
Increase per 1000 of the population	25.33	9.48	11.33

MARRIAGES.

	Marriages.	Rate per 1000 of the population.
French Canadians	1380	10.85
Other Catholics	232	6.25
Protestants	495	9.15
Total	2107	9.65

MORTALITY.

NATIONALITY.

	Deaths.	Population.	Rate per 1000 of the population.
French Canadians	3827	127,108	30.10
Other Catholics	787	37,098	21 21
Protestants	777	54,062	14.37
Total	5391	218,268	24.24

DEATHS BY SEX.

Males	2764
Females	2627
Total	5391

SOCIAL CONDITION.

Married	974
Widowers	156
Widows	324
Single	356
Children	3281
Total	5391

MORTALITY BY MONTHS

		January.		February.		March.		April.		May.	
		Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
French-Canadians.	Under 5 years.....	125	54. 11	137	57. 56	152	53. 71	180	60. 81	165	61. 79
	Above 5 years.....	106	45. 88	101	42. 43	131	46. 28	116	39. 18	102	38. 20
Other Catholics.	Under 5 years.....	19	35. 18	11	20. 37	27	40. 90	23	41. 81	23	37. 09
	Above 5 years.....	35	64. 81	43	79. 62	39	59. 09	32	58. 18	39	62. 90
Protestants.	Under 5 years.....	18	36. 00	34	46. 57	27	40. 90	21	32. 81	25	40. 32
	Above 5 years.....	32	64. 00	39	53. 42	39	59. 09	43	67. 18	37	59. 67

AND BY NATIONALITY.

June.		July.		August.		September		October.		November.		December.	
Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.	Deaths.	Proportion per cent.
376	74. 90	376	76. 42	303	76. 70	220	72. 13	193	64. 11	104	54. 16	168	51. 69
126	25. 09	116	23. 57	92	23. 29	85	27. 86	108	35. 88	88	45. 83	157	48. 30
37	43. 52	46	59. 74	42	50. 00	26	44. 82	25	41. 66	14	28. 00	21	25. 60
48	56. 47	31	40. 25	42	50. 00	32	55. 17	35	58. 33	36	72. 00	61	74. 39
37	45. 12	34	53. 12	32	44. 44	18	65. 00	19	29. 23	11	20. 00	26	36. 61
45	54. 87	30	46. 87	40	55. 55	35	34. 99	46	70. 76	44	80. 00	45	63. 38

MORTALITY ACCORDING TO AGES.

Ages.	Catholics.		Protestants.	Total.	Proportion per cent of the total mortality.	
	French. Canadians.	Other Catholics.				
Under 6 months.....	1296	163	154	1613	29.91	57.78
From 6 m'ths to 1 year	557	78	69	704	13.05	
From 1 to 5 years.....	646	73	79	798	14.80	
From 5 to 10 "	127	14	32	173	3.20	42.21
From 10 to 15 "	59	15	11	85	1.57	
From 15 to 20 "	87	22	22	131	2.42	
From 20 to 30 "	190	80	68	338	6.26	
From 30 to 40 "	169	71	54	294	5.45	
From 40 to 50 "	160	52	49	261	4.84	
From 50 to 60 "	151	65	63	279	5.17	
From 60 to 70 "	132	47	67	246	4.56	
From 70 to 80 "	140	61	66	267	4.95	
From 80 to 90 "	94	39	34	167	3.09	
From 90 to 100 "	19	7	9	35	64	
100 and over.....	.....	.....	.....	.....		
Unknown.....	.....	.....	.....	.....		
	3827	787	777	5391		

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MORTALITY ACCORDING TO AGES.

		Mortality under 5 years.	Proportion per cent of the total mortality.	Mortality above 5 years.	Proportion per cent of the total mortality.
Catholics	French Canadians.....	2499	65.29	1328	34.70
	Other Catholics.....	314	39.89	473	60.10
Protestants		302	38.86	475	61.13
Total.....		3115	57.78	2276	42.21

Of the 3827 deaths amongst the French Canadians, 2499 were under 5 years ; 273 from 5 to 20 years ; 802 from 20 to 70 ; and 253 from 70 to 100 years.

Amongst the other Catholics, 314 deaths occurred under 5 years ; 51 from 5 to 20 years : 315 from 20 to 70 ; and 107 from 70 to 100 years.

The mortality amongst the Protestants under 5 years was 302 ; from 5 to 20 years 65 ; from 20 to 70 years 301 ; and from 70 to 100 years 109.

Of the deaths amongst the French Canadians 65.29 per cent, were under 5 years, and 34.70 above that age. Amongst the other Catholics the mortality under 5 years formed 39.89 per cent, and above that age 60.10. Amongst the Protestants the mortality under 5 years was 38.86 per cent, and above that age 61.13.

Of the total number of deaths that occurred in the city 57.78 per cent were under 5 years, and 42.21 per cent above that age.

MORTALITY BY WARDS, ETC.

WARDS, HOSPITALS, ETC.	Population.	Mortality by all causes.	Mortality per 1000 of the population of each ward.	Diphtheria.	Typhoid Fever.	Diarrhœal Diseases.	Phthisis.	Area of wards. in acres.
St. Ann's	23175	393	16.95	4	5	58	44	732.75
St. Antoine	44961	693	15.41	6	7	76	68	1062.33
St. Lawrence	18018	272	15.09	12	3	27	34	301.50
St. Louis	25110	561	22.34	12	4	84	73	242.00
St. James	32636	862	26.41	14	8	171	63	381.00
St. Mary's	35007	1097	31.33	8	7	204	78	621.00
West	1014	16	15.77	.....	1	.....	3	54.33
Centre	680	13	19.11	.....	1	.....	1	42.00
East	3463	83	23.96	1	3	16	7	57.16
Hochelaga	8604	182	21.15	2	4	41	18	1230.00
St. Jean-Baptiste *	15539	525	33.78	11	3	141	38	308.00
St. Gabriel	10061	279	27.73	.....	1	38	25	330.00
Unknown	.....	5	.....	.....	.....	.....	.....	.....
Total	218268	4981	.....	70	47	856	452	5362.07
Hotel-Dieu	.....	129	.....	1	7	4	26	.....
Notre-Dame Hospital	.....	73	.....	2	4	1	10	.....
Montreal General Hospital	.....	95	.....	5	7	1	13	.....
Other Institutions	.....	113	.....	0	0	.....	14	.....
Grand total	.....	5391	.....	78	65	862	515	.....

ST. JEAN-BAPTISTE WARD.

The highest mortality occurred in this ward, namely, 525 deaths or 33.78 per 1000 of its population, or 9.73 per cent of the total mortality of the city. 14.10 per cent of the deaths from Diphtheria took place in the ward, and 4.61 per cent of the mortality from Typhoid Fever.

ST. MARY'S WARD.

The next highest death-rate took place in St. Mary's ward, where the number of deaths reached 1097, giving a rate of 31.33 per 1000 of its population, or 20.34 per cent of the total city mortality. The proportion of deaths by Diphtheria was 10.25 per cent, and by Typhoid Fever 10.76.

ST. GABRIEL WARD.

There were 279 deaths in this ward, or 27.73 per 1000 of the population, or 5.07 per cent of the total city mortality. There were no deaths by Diphtheria ; the proportion of deaths by Typhoid Fever was 1.53 per cent.

ST. JAMES WARD.

The deaths in this ward amounted to 862, or 26.41 per 1000 of the population, or 15.98 per cent of the total city mortality. The proportion of deaths by Diphtheria was 17.94 per cent, and by Typhoid Fever 12.30 per cent.

EAST WARD.

The number of deaths in this ward was 83, or 23.96 per 1000 of the population, or 1.53 per cent of the total city mortality. The proportion of deaths by Diphtheria was 1.28 per cent, and by Typhoid Fever 4.61 per cent.

ST. LOUIS WARD

The number of deaths from all causes was 561, or 22.34 per 1000 of the population, or 10.40 per cent of the total city mortality. The proportion of deaths by Diphtheria was 15.38, and by Typhoid Fever 6.15 per cent.

HOCHELAGA WARD.

The number of deaths was 182, or 21.15 per 1000 of the population, or 3.37 per cent of the total city mortality. The proportion of deaths by Diphtheria was 2.56, and by Typhoid Fever 6.15 per cent.

CENTRE WARD.

The 13 deaths in this ward give a rate of 19.11 per 1000 of its population, or 0.24 per cent of the total city mortality. No deaths by Diphtheria; the deaths by Typhoid Fever gave a proportion of 1-53 per cent.

ST. ANN'S WARD.

The total number of deaths was 393, or 16.75 per 1000 of the population, or 7.98 per cent of the total city mortality. Diphtheria gave a proportion of 5.12 per cent, and Typhoid Fever a proportion of 7.69 per cent.

WEST WARD.

The number of deaths in this ward was 16, or 15.77 per 1000 of its population, or 0.29 per cent of the total city mortality. No deaths from Diphtheria occurred in this ward. Typhoid Fever gave a proportion of 1.53 per cent.

ST. ANTOINE WARD.

There were 693 deaths in this ward, or 15.41 per cent of the population, or 12.85 per cent of the total city mortality. Diphtheria gave a proportion of 7.92 per cent, and Typhoid Fever 10.76 per cent.

ST. LAWRENCE WARD.

The number of deaths in this ward amounted to 272, or 15.09 per 1000 of the population, or 5.04 per cent of the total city mortality. Diphtheria gave a proportion of 15.38 per cent ; and Typhoid Fever 4.61 per cent.

MORTALITY BY MEASLES.

AGES.

NATIONALITY.		Under 6 months.	Fr. 6 months to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
Catholics	French Canadians	6	10	27	1	...	...	...	...	...	...	...	...	...	...	...	...	44
	Other Catholics	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Protestants		...	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	8
	Total	7	16	31	1	...	...	...	...	...	...	...	...	...	...	...	...	55

WARDS, HOSPITALS, ETC.

St. Ann's	2
St. Antoine	7
St. Lawrence	0
St. Louis	7
St. James	6
St. Marys	8
West	1
Centre	0
East	0
Hochelaga	6
St. Jean-Baptiste	16
St. Gabriel	2
Total	55
Hôtel-Dieu	0
Notre-Dame Hospital	0
Montreal General Hospital	0
Other Institutions	0
Grand total	55

SEX.

Males	30
Females	25
Total	55

MORTALITY BY SCARLATINA.

AGES.

NATIONALITY.	Under 6 months.	Fr. 6 mths to 1 year,	From 1 to 5 years.	From 5 to 10 years	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown	Total.
Catholics: French Canadians	...	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Catholics: Other Catholics	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Protestants	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	2
Total	...	...	8	2	...	...	...	...	...	...	...	...	...	...	...	...	10

WARDS, HOSPITALS, ETC.

St. Ann's	2
St. Antoine	4
St. Lawrence	0
St. Louis	0
St. James	2
St. Marys	1
West	0
Centre	0
East	0
Hochelaga	0
St.Jean-Baptiste	1
St.Gabriel	0
Total	10
Hôtel-Dieu	0
Notre-Dame Hospital	0
Montreal General Hospital	0
Other institutions	0
Grand total	10

SEX.

Male	8
Female	2
Total	10

MORTALITY BY DIPHTHERIA.

AGES.

NATIONALITY.	Under 6 months.	Fr. 6 m'ths to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
Catholics: French Canadians	...	1	29	16	2	...	...	1	..	...	...	...	...	..	...	..	49
Catholics: Other Catholics	...	...	9	5	1	...	...	...	..	...	...	..	...	...	..	...	15
Protestants	...	...	12	1	1	...	...	...	...	..	...	...	..	..	...	...	14
Total	...	1	50	22	4	...	...	1	.	..	...	...	...	...	...	...	78

WARDS, HOSPITALS, ETC.

St. Ann's	4
St. Antoine	6
St. Lawrence	12
St. Louis	12
St. James	14
St. Mary's	8
West	0
Centre	0
East	1
Hochelaga	2
St. Jean-Baptiste	11
St. Gabriel	0
Total	30
Hôtel-Dieu	1
Notre-Dame Hospital	2
Montreal General Hospital	5
Other Institutions	0
Grand total	78

SEX.

Male	41
Female	37
Total	78

MORTALITY BY TYPHOID FEVER.

AGES.

	NATIONALITY.	Under 6 months.	Fr. 6 m'ths to 1 year.	From 1 to 5 years.	From 5 to 10 years.	From 10 to 15 years.	From 15 to 20 years.	From 20 to 30 years.	From 30 to 40 years.	From 40 to 50 years.	From 50 to 60 years.	From 60 to 70 years.	From 70 to 80 years.	From 80 to 90 years.	From 90 to 100 years.	100 years and over.	Unknown.	Total.
Catholics	French Canadians	...	...	1		5	7	11	5	3	...	...	...	...	...	...	...	35
Catholics	Other Catholics	...	...	...	1	3	2	2	...	...	2	...	...	...	...	...	...	10
	Protestants	...	...	1	1	...	3	10	2	1	2	...	...	...	...	...	...	20
	Total	...	...	2	5	8	12	23	7	4	4	...	...	...	...	...	...	65

WARDS, HOSPITALS, ETC.

St. Ann's	5
St. Antoine	7
St. Lawrence	3
St. Louis	4
St. James	8
St. Marys	7
West	1
Centre	1
East	3
Hochelaga	4
St. Jean-Baptiste	3
St. Gabriel	1
Total	47
Hôtel-Dieu	7
Notre-Dame Hospital	4
Montreal General Hospital	7
Other Institutions	
Grand Total	65

SEX.

Male	35
Female	30
	65

MORTALITY BY CERTAIN CAUSES.

DISEASES.	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891
Small-pox	509	703	506	728	472	140	5	.....	.....	.....	3164	70	.....	.....	.....	.....	.....
Measles	66	6	58	2	5	78	12	18	33	17	142	11	74	37	108	65	55
Scarlatina	197	42	33	29	22	43	47	54	39	16	42	22	10	9	19	16	10
Diphtheria	32	122	318	201	124	106	163	163	155	285	306	257	488	427	200	170	78
Typhoid Fever	92	104	103	69	63	67	103	106	104	88	77	79	101	94	72	62	65
Dysentery	22	38	45	24	28	22	35	28	22	26	18	24	25	43	31	19	15
Diarrhœa	232	294	348	159	348	279	287	397	273	349	256	266	409	392	476	328	423
Cholera Infantum	211	240	199	176	105	153	161	134	190	255	185	247	306	305	298	326	424
Dentition	106	114	131	102	69	85	85	66	76	70	82	74	74	78	107	100	98
Phthisis	362	413	450	410	379	434	403	440	431	467	412	484	470	539	520	550	515

ELEVEN PRINCIPAL CAUSES OF DEATH BY MONTHS.

Diseases.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Diphtheria	8	10	8	14	6	7	6	3	3	3	7	3	78
Typhoid Fever	4	6	3	.....	1	2	4	6	8	12	15	4	65
Dysentery	.....	.....	1	1	.....	4	2	4	1	2	...	...	15
Diarrhœa	4	3	4	13	11	99	106	79	46	42	6	10	423
Choléra Infantum	1	.....	2	1	4	107	121	116	45	24	2	1	424
Dentition	1	5	7	7	4	14	12	12	15	13	3	5	98
Phthisis	29	36	51	47	34	53	45	46	37	53	35	49	515
Convulsions	8	15	11	22	14	15	12	5	8	6	9	10	135
Pneumonia	35	26	52	32	32	23	11	7	8	27	27	52	332
Bronchitis	31	26	37	27	30	22	8	8	12	8	18	43	270
Debility	32	47	34	45	43	58	72	55	46	50	27	47	556

MONTHLY MORTALITY

Months.	1890.		1891.	
	Mortality.	Mean temperature	Mortality.	Mean temperature
January	641	14.86	335	15 38
February	345	19.08	365	17.36
March	363	26.51	415	25.94
April	444	40.01	415	42.19
May	453	51.59	391	52.26
June	604	64.45	669	65.17
July	553	68.57	633	66.23
August	443	64.82	551	66.65
September	422	57.79	416	62.29
October	384	45.85	426	45.14
November	319	31.71	297	35.10
December	394	7.14	478	29 71
	5365	41.03	5391	

The most healthy month of the year was November, during which the deaths did not amount to more than 297, or 22 less than during the same month in 1890. The mean number of deaths for each day was 9.9, or 0.73 less than in the previous year. The mean temperature was 35.10, or 3.39 higher than in the corresponding month of the previous year.

The most unhealthy month was June, during which 669 deaths accurred, or 65 more than in the same month the pr eceding year The mean daily number of deaths was 22.3, or 2.17 more than in the same month the preceding year. The mean temperature was 65.17, or 0.72 higher than in the corresponding month the previous year.

MORTALITY FROM ALL CAUSES BY MONTHS.

DISEASES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Zymotic diseases.													
Measles	13	13	12	5	5	3	1	1	.....	.....	.....	3	55
Scarlatina	1	4	1	.....	.....	1	1	1	.....	.....	1	.....	10
Diphtheria	8	10	8	14	6	7	6	3	3	3	7	3	78
Croup	4	6	10	10	13	1	1	1	1	2	3	6	58
Whooping Cough	1	5	2	2	5	2	6	3	1	5	1	3	36
Typhoid Fever	4	6	3	.....	1	2	4	6	8	12	15	4	65
Crebro-spinal meningitis	3	1	.....	.....	.....	2	2	1	.....	.....	.....	1	10
Erysipelas	.....	.....	5	2	2	.....	.....	.....	.....	1	1	.....	11
Other fevers	2	2	1	2	2	.....	.....	.....	3	.....	1	5	18
Dysentery	.....	.....	1	1	.....	4	2	4	1	2	.....	.....	15
Diarrhœa	4	3	4	13	11	99	106	79	46	42	6	10	423
Cholera Infantum	1	.....	2	1	4	107	121	116	45	24	2	1	424
Grippe	.....	.....	2	1	7	2	.....	.....	.....	.....	.....	14	26
Cholera Canadensis	.....	.....	.....	.....	.....	2	2	1	1	.....	.....	.....	6
Other Zymotic diseases	5	5	8	7	10	4	7	3	4	1	2	3	59
Total, 1st class	46	55	59	58	66	236	259	219	113	92	39	52	1294
Constitutional Diseases.													
Cancer	9	8	5	8	7	9	9	8	14	8	7	7	99
Phthisis	29	36	51	47	34	53	45	46	37	53	35	49	515
Other constitutional	12	13	17	20	16	17	14	16	11	15	13	11	175
Total, 2nd class	50	57	73	75	57	79	68	70	62	76	55	67	789

Local diseases.													
Encephalitis	24	21	25	24	24	36	32	35	30	19	16	38	324
Apoplexy	8	3	2	5	4	2	3	5	3	6	5	2	48
Paralysis	10	7	9	7	7	12	4	9	4	5	1	22	97
Convulsions	8	15	11	22	14	15	12	5	8	6	9	10	135
Other diseases of the nervous system	12	8	8	16	14	12	14	11	14	12	8	12	141
Heart diseases	20	24	32	20	19	24	21	16	11	18	18	28	251
Other diseases of the organs of circulation	1	3	1	.....	1	4	3	3	4	3	1	3	27
Bronchitis	31	26	37	27	30	22	8	8	14	8	18	43	272
Pneumonia	35	26	52	32	32	23	11	7	8	27	27	52	332
Other diseases of the respiratory organs	11	13	12	20	5	15	9	5	4	7	12	23	136
Enteritis	7	8	9	6	11	57	55	42	29	22	10	13	269
Other diseases of the digestive organs	10	14	8	16	13	14	14	9	18	11	12	17	156
Other diseases of the urinary organs	6	8	9	13	9	12	11	9	7	8	7	11	110
Other local diseases	4	4	5	2	2	4	2	2	5	6	2	7	45
Total, 3rd class	187	180	220	210	185	252	199	166	159	158	146	281	2343
Developmental diseases.													
Asphyxia neonatorum	2	4	2	2	12	4	3	5	4	9	8	4	59
Dentition	1	5	7	7	4	14	12	12	15	13	3	5	97
Senility	4	6	4	4	2	7	3	1	4	8	4	4	51
Debility	32	47	34	45	43	58	72	55	46	50	27	47	556
Other developmental diseases	4	4	6	4	4	8	3	6	2	6	7	11	65
Total, 4th class	43	66	53	62	65	91	93	79	70	86	49	71	828
Deaths by violence and by unknown causes													
Accidentel	5	3	6	6	6	7	12	13	8	10	7	4	87
Chirurgici	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Other violent deaths	.....	.....	1	.....	.....	1	1	3	.....	1	.....	1	8
Unknown	4	3	3	4	12	3	1	1	4	3	1	2	41
Total, 5th class	9	7	10	10	18	11	14	17	12	14	8	7	137
Grand total	335	365	415	415	391	669	633	551	416	426	297	478	5391

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20th August, 1886.

CONTRACT

FOR THE

SCAVENGING WORK

IN THE CITY OF MONTREAL

BETWEEN

WILLIAM MANN

AND

THE CITY OF MONTREAL.

On this twentieth day of the month of August in the year of Our Lord one thousand eight hundred and eighty-six.

Before Mr. Onésime Marin, the undersigned notary public for the province of Quebec, one of the provinces of the Dominion of Canada, residing in the city of Montreal, in the district of Montreal, in the said province:

Appeared: William Mann, of the village of St. Louis of Mile End, in the county of Hochelaga, in the said district, contractor,

party hereto of the first part,

and "The City of Montreal," a body politic and corporate, having its office and principal place of business at the City Hall, in the east ward of the said city, herein represented and acting in the absence of His Worship the Mayor, by Jacques Grenier, Esquire, merchant, of Montreal aforesaid, Pro-Mayor of the said city,

party hereto of the second part,

which said parties hereto of both parts have made and entered into the following contract, to wit:

Firstly:—The said William Mann doth hereby undertake, contract for, bind and oblige himself towards "The City of Montreal" aforesaid, to do and perform in a workmanlike manner, all the

works necessary to be made for the scavenging work in every street, avenue, square and in every public or private lane within the limits of the said city of Montreal, twice a week, in observing the following order as to the subdivisions of the city, to wit: on Mondays and Thursdays, all the portions of the city south of St. Antoine and Craig streets; on Tuesdays and Fridays, the portion north of Ste. Catherine street and Ste. Catherine street included, and on Wednesdays and Saturdays, the work shall be performed in all those portions of the city which are not included in the above limits of the said city, the whole of the said works to be done according to the specification hereunto annexed with a copy of the tender of the said William Mann, the same having been signed by the parties hereto and by the undersigned notary *ne varietur*.

Secondly:—All the clauses, conditions, explanations, directions and instructions contained in the said hereunto annexed specification and in the supplement to the said specification also hereunto annexed after having been signed *ne varietur* by the parties hereto and by the undersigned notary, shall be strictly followed, although not herein repeated for brevity sake; in case however there should be any difference between the meaning of these presents and of any part of said specification, the meaning of these presents shall be followed.

Thirdly:—The contractor will find, provide and furnish all materials, labour, vehicles, carts and tools necessary for the due execution of the said works.

Fourthly:—The said works and the works of cremation shall be done under the superintendence and direction of the Board of Health of the said city of Montreal, or of the "Sanitary Inspector" for the time being, or of his agents. The said Board of Health shall itself be considered as following the views and orders of the Corporation of the said city of Montreal until duly contradicted, and every part of the works is to be done to the satisfaction of the "Sanitary Inspector" who shall have full power and authority to judge of the proper mode of executing the present contract in all which particulars the contractor shall follow the instructions and directions of the said "Sanitary Inspector" as well in all inferior details as in all other matters and things pertaining to the proper execution of the works.

Fifthly:—The care of the works shall rest entirely with the contractor, and the said Corporation of the city of Montreal shall not be answerable nor responsible for any thing stolen, lost, damaged, or destroyed by the said contractor, his cart-men and employees, and everything shall be kept clean and in good order by the said contractor who shall, at his own expense, protect, restore and make good all and everything that may be disturbed, injured, damaged, lost or destroyed during the progress of the works.

Sixthly:—The said Board of Health shall at all times have power to deviate from the said specification and supplement thereto; but the said contractor will not in any way deviate from the same unless upon a written order of the said "Sanitary Inspector" describing the required changes or extra works. In case of such written order the contractor shall be bound to follow and execute the same and the value or price of such changes shall be determined by voluntary written agreement between the parties previous to or after the issue of such written order of the said "Sanitary Inspector" or Board of Health, or in default of such voluntary agreement, then by experts; and it is understood that the said contractor shall not be entitled to claim any indemnity or extra charge for pretended extra works under any pretence whatever unless he shall produce a written order for the same as aforesaid. Nor shall any changes or extra works ordered by the said Board of Health or by the "Sanitary Inspector" as aforesaid affect the execution of the present contract, but if necessary the contractor shall increase his force of men and number of vehicles and ovens for cremating the scavenging matter hereinafter mentioned so as to make up for any detention or loss of time.

Seventhly:—Should the works not progress to the satisfaction of the Board of Health, or "Sanitary Inspector," or should the said contractor omit, neglect or refuse to remove or cremate any part of the scavenging matter as described and detailed in the said hereunto annexed specification from any of the divisions of the said city on the days appointed for the purposes thereof, then it shall be lawful for the Corporation of the said city of Montreal, through its "Board of Health" or "Sanitary Inspector" to perform to said works and to remove the said scavenging and cremate the same and charge the cost thereof to the account of the said contractor and deduct all expenses incurred thereby from any sums of money due or which may become due to him of the price of the present contract or from any money belonging to the said contractor and at any time in the hands of the said city of Montreal, and specially from the deposit of One Thousand Dollars that the said contractor has made into the City Treasurer's hands for the due execution and fulfilment of the present contract, and to recover any surplus of costs and expenses from and against the said contractor and his sureties, and the said "Board of Health" shall have the power at any time on giving forty-eight hours notice in writing to the said contractor or his agent or by leaving the said notice at the domicile or place of business of the said contractor to cancel the present contract, the "Board of Health" being the sole judge in the matter and its decision shall be final and without appeal. In that case the "Board of Health" may itself assume the works and the said contractor shall forfeit to "The City of

Montreal" aforesaid the said deposit of One Thousand Dollars and the cost of any and all extra works and losses which may be incurred by the Health Department in taking over the duties of the said works shall, in addition to the said deposit, be charged with the contractor's account and shall be deducted from any monies which may be due and unpaid to the said contractor, or shall be recovered from his estate and his sureties, and the contractor shall have no claim for pretended loss or damage as resulting from such action of the "Board of Health."

Eighthly:—The contractor shall conform to all the laws, by-laws and police regulations of the city and of the "Board of Health" and he shall be responsible for the acts of all persons employed by him and engaged in the works as herein specified.

Ninthly:—The scavenging work shall be commenced at seven o'clock in the afternoon and shall be completed each and every day at or before eight o'clock in the morning.

Tenthly:—The "scavenging matter," as described in the clause No. 6 of the hereunto annexed specification, shall be cremated after having been collected as aforesaid, at cremating stations and in crematory works erected or to be erected by the said contractor at his own expense. The said crematory works shall be constructed in every particular to the satisfaction of the Board of Health and may be placed within the city limits, provided it is guaranteed to the satisfaction of the Board of Health that the carrying on of the cremating process will not cause a nuisance. The crematory works shall be inspected by the Board of Health before the commencement of the cremating process and may be inspected at any time during the present contract by the said Board of Health, who shall have the superintendence of the same as aforesaid. Such inspection shall be made by the Board of Health or by any person or persons deputed by them; and if the said crematory works are not constructed in every particular to the satisfaction of the said Board of Health, or if the work of cremation is not carried on to the satisfaction of the said Board, then these presents may be cancelled by The City of Montreal aforesaid which will then have the right to call for new tenders for a new contract for the scavenging and cremation of the scavenging matter as herein provided. Any loss or damage against the city arising from the default by the said contractor to comply with the contents of this clause, shall be charged to the contractor's account and shall be deducted from any moneys which may be due and unpaid to the said contractor or shall be recovered from his estate and his sureties; and the contractor shall have no claim for pretended loss or damage as resulting from such action of "The City of Montreal" aforesaid.

Eleventhly:—Should the Road Committee of the Corporation of "The City of Montreal" aforesaid at any time require to use the residue left after the burning of the aforesaid scavenging matter, for road making or any other purpose, the said committee shall have a right to the same, but the said contractor shall not be obliged to cart the said residue for the convenience of the said committee, the latter being required to send to the crematory works for the same whenever it is needed.

Twelfthly:—The present contract has thus been made for five years to be computed from the first day of August instant (1886) and ending on the thirty-first day of July eighteen hundred and ninety-one, both days included, for the price or sum of Forty-Three Thousand Dollars ($43,000) for each and every year during the said term, which sum "The City of Montreal" aforesaid shall and will pay to the said contractor, only from the time that the work of cremation is begun, by monthly payments, upon the certificate of the Sanitary Inspector or the Board of Health aforesaid that the work has been efficiently done. In case any new municipality be annexed to the city, the said contractor will extend the service of the scavenging and cremating works to such municipality at the same price *pro rata* to population as the contract price for the actual city of Montreal.

Thirteenthly:—The said contractor has deposited in the hands of the City Treasurer the sum of One Thousand Dollars for security of the due execution of the present contract by the said contractor William Mann, which amount shall be disposed of as provided for in the said specification.

Fourteenthly:—The said contractor shall be paid at the rate of Twenty-Five Thousand Dollars ($25,000) per annum for the scavenging done and to be done by him since the thirtieth day of June last (1886) up to the 1st day of August instant or until the beginning of the work of cremation.

Fifteenthly:—As soon as the crematory works are completed and that the work of cremation is being carried on to the satisfaction of the Board of Health then the clauses in the said specification relating to the providing of a dump or dumps and the removal of the scavenging matter beyond the city limits, shall cease to be in force, but, at any time during the present contract, should the said crematory works become a nuisance, or should the said Board of Health disapprove of the manner in which the work of cremation is being carried on, or should in the opinion of the said Board any other sufficient cause arise; then the said Board may put into force the said clauses of the said specification for the scavenging work

relative to a dump or dumps and the removal of the scavenging matter beyond the city limits, and the said contractor shall have no right to any claim for loss or damage he may pretend to have sustained by such action of the said Board.

Whenever the terms "Board of Health" occur in this contract, they shall be taken to mean also "Health Committee" and *vice versa*.

To these presents came and intervened, William Withall, gentleman, and William S. Walker, merchant, both of the said city of Montreal.

Which said intervening parties, after having had and taken communication of the present contract, did approve and ratify the same and have consented to become surety and bail of the said contractor, the said William Mann, towards "The City of Montreal" aforesaid, for the due execution of the present contract; and consequently the said Withall and Walker do hereby promise, jointly and severally, one for the other and for the whole that the said William Mann shall faithfully perform and carry out all and every obligations mentioned in the present contract and in the hereunto annexed specification, supplement thereto and tender; and in default of the said contractor doing so, to indemnify "The City of Montreal" aforesaid for all losses and damages suffered in consequence of the said default to the extent of four thousand dollars ($4,000).

The said William Mann shall pay the cost of the present contract and of a copy thereof for the said city of Montreal.

The present contract has thus been passed by "The City of Montreal" aforesaid in conformity with a resolution of the council of the said city adopted at a meeting held on the seventh day of June last (1886) confirming a report of the Finance Committee of the said city adopted at a meeting held on the fifteenth day of April last (1886), the said report of the Finance Committee amending a report of the same committee submitted on the eighth day of the same month of April and a report of the Board of Health adopted at a meeting held on the nineteenth day of March last (1886), copies of which are hereunto annexed after having been signed *ne varietur* by the said notary.

Thus done and passed at the said city of Montreal, on the day, month and year first herein before written, under the number seven thousand nine hundred and seventy of the repertory of the notarial deeds of O. Marin, the undersigned notary.

And the said parties hereto have signed, and Charles Glackmeyer, of the said city of Montreal, Esquire, clerk of the said city, has countersigned these presents and has affixed thereto the seal of the

Corporation of the said city, the whole in presence of the said notary, who has also signed, these presents being first duly read.

	(Signed)	W. MANN,
	"	W. WITHALL.
	"	W. S. WALKER.
(L. S.)	"	J. GRENIER, Acting Mayor.
	"	CHS. GLACKMEYER, City Clerk.
	"	O. MARIN, N.P.

True copy of the original hereof remaining of record in my office.

(Signed) O. MARIN, N.P.

SPECIFICATION FOR THE SCAVENGING WORK

IN THE CITY OF MONTREAL

AND FOR

The carbonization of the scavenging matter.

---

1. The contract shall be for the execution of all the works hereinafter described and shall be made to cover a period of five years, commencing on the first day of August 1886 and ending on the Thirty-First day of July 1891, both days included.

2. Each tender must be accompanied by a certificate of deposit with the City Treasurer for the sum of One Thousand Dollars, and such deposit shall, in the case of the accepted tender be retained as security for the due execution of these presents and for the fulfilment and until completion of the contract; and in the event of the work not being carried on to the satisfaction of the Board of Health, then the said Board shall have the power at any time on giving forty-eight hours notice, in writing, to the contractor or his agent or by leaving such notice at the domicile or place of business of the said contractor, to cancel the contract, the Board of Health to be the sole judge in the matter and their decision to be final and without appeal. The Board of Health, in that case, may themselves assume the work and the contractor shall forfeit to the city of Montreal the said deposit of One Thousand Dollars; and the cost of any and all extra work or losses which may be incurred by the Health Department in taking over the duties of the said work, shall, in addition to the deposit of One Thousand Dollars, be charged to the contractor's account and may be deducted from any monies that may be due and unpaid to him or may be recovered from his estate and he shall have no claim for pretended loss or damage as resulting from such action of the Board of Health.

3. The contractor shall conform to all the laws, by-laws and police regulations of the city and of the Board of Health; and he shall be responsible for the acts of all persons employed by him and engaged in the work as herein specified.

4. The contractor shall furnish and maintain at his own expense, a sufficient number of suitable vehicles which shall be water tight and of a design to be approved of and certified by the Board of Health, and shall also employ a sufficient number of horses and

cart-men for the proper performance of the duties hereinafter mentioned. The contractor shall submit for the inspection of the Board, on or before the first day of February 1885, all vehicles to be used in the execution of the contract.

5. The contractor shall have prominently painted, in white letters upon a black ground, upon both sides of each vehicle, his full name; the said letters to be four inches in length. He shall also have painted, in like manner, the number of the vehicle in white figures, on a black ground, the said figures to be eight inches in length. Such name and figures shall always be plainly and intelligibly displayed and exposed to public view when the vehicles are in use and at all times subject to the inspection of any sanitary inspector, police officer or citizen, and such vehicles shall always be kept clean and disinfected and shall be so loaded and driven that none of their contents shall fall or spill therefrom. Kitchen and other garbage or house offal and vegetable or animal matter shall not be removed in the same vehicles as ashes or rubbish. The scavenging work shall be done in every street, square, avenue and every public and private lane within the city of Montreal, twice during each week, and the contractor shall observe the following order as to the subdivisions of the city, viz: On Mondays and Thursdays, all the portion of the city south of St. Antoine and Craig streets; Tuesdays and Fridays, the portion north of St. Catherine street and St. Catherine street included; Wednesdays and Saturdays, the portion between St. Catherine street, the river, Craig and St. Antoine streets.

6. The scavenging work comprises and embraces the removal of all refuse of animal and vegetable food matter, excepting human and animal excreta, all decayed fish and fruit, all entrails and cleanings of fish, flesh and fowl, rats, all garbage, ashes, soot and cinders, all house, store and yard sweepings, all shavings, sawdust hair, rags, fur, leather and tin cuttings, all tailors' cuttings, all oyster, clam and lobster shells, and all broken crokery, glass, tinware, stove pipes, paper, garden trimmings and straw that may be placed in boxes, tubs, barrels or other vessels and set out in any street, avenue, square and public or private lanes by the proprietors, tenants or householders of all dwellings, hotels, restaurants, offices, shops, factories, warehouses and all public and private institutions within the limits of the city, in the manner as described in the preceding clause; the said barrels, boxes, tubs or other vessels or receptacles not to exceed in capacity an ordinary flour barrel. The contractor shall also remove from every public or private hospital, within the limits of the city, all such matters as are above enumerated, but he shall not be called upon to remove poultices and other objectionable matter, unless the same be placed in tight fitting covered vessels, nor shall the contractor be required

to remove any portion of human remains or parts of animals which are not the refuse of animal food, and if such is found by the contractor to be mixed with the other matters he shall report the same to the Board of Health who shall relieve him from the necessity of removing the offal from such hospital, until the said Board are convinced that proper precautions have been taken to prevent a repetition of such offence.

7. The contractor shall remove all such matters as are above enumerated, which may be upset or spilled on the ground without any claim for further remuneration than the price of his contract; and, for this purpose, each wagon shall be provided with shovels and brooms.

8. In case of there being any impediments in lanes for carts and sleighs entering the same, arising from snow or debris, the contractor shall cause the vessels to be brought out and emptied on the proper days and the vessels to be returned to the place they were removed from.

9. Where access for horses and carts may be had to yards and public institutions and when so required by the Board of Health, the contracter shall cause his cart-men to enter such yards on the proper days as already described for the respective divisions and remove therefrom all such matter as is described in clause number six, and of whatever quantity when the same is contained in boxes, tubs, barrels or other vessels which are not to be of greater capacity than a flour barrel. The contractor shall report daily in writing to the Health Department, when required to do so by the said Board, all cases of citizens not complying with the by-law which requires the separation of the garbage or vegetables and animal matters from ashes and cinders, and be ready to testify against such infringement in the Recorder's Court or any other Court without any extra pay, should the said Board decide to prosecute the guilty parties. The contractor shall also report daily, in writing, to the Health Department, the situation of any packages not removed by his employees on the previous evening and the reason for their non-removal.

10. The contractor shall remove from all public markets in the city, including the hay markets, once on every day of the week, Sundays excepted, between the hours of four o'clock p. m., and six o'clock p. m., and on Saturdays twice, the second time to be after half past ten o'clock p. m., all market garbage, decayed fruit, offal, vegetable matter, all ashes, cinders, sweepings, rags, broken crockery, shells, hay, straw and every description of garbage and refuse of whatever quantity, excepting only such matters as is described in the next following clause and is provided for in the contract for the removal of dead animals. The contractor shall also sweep the

streets, for the full breadth of the same, immediately contiguous to the said markets, every day, and remove the said sweepings.

11. The contractor is not required to remove rotten meat, carcasses or dead animals from the markets or butcher's shops, and he is not required to remove any dead horses, cattle, pigs, sheep, dogs, goats or cats from any of the streets, lanes, avenues or private properties within the city.

12. Any offal, garbage, refuse, filth, sweepings, or any other objectionable matter, such as is described in clause number six of this specification, which may be deposited in a loose condition on the ground in any of the streets, avenues, squares, public places, or private or public lanes of the city, shall be removed by the contractor, who shall not receive any extra compensation for such work. The contractor shall, during the month of May, thoroughly clean up all the lanes in the city wherever the offal and ashes is in packages or on the ground, whether recently deposited or left undone during the previous year and he shall keep the lanes clean throughout the year afterwards, removing everything enumerated in clause number six of this specification, whether on the ground or in packages.

13. If the contractor should omit, neglect or refuse to remove any part of the scavenging, as described and detailed in the preceding clauses, from any of the divisions of the city on the days appointed for the purpose, as detailed in the preceding clauses, then the Board of Health shall, without further notice, cause the same to be removed and charge the cost thereof to the account of the contractor and deduct all expenses incurred thereby from any sums of money due or which may become due te him, or the same may be deducted from his deposit or may be recovered from his estate or from his sureties.

14. All the refuse, offal, garbage or any other objectionable matter which is collected by the contractor shall by him be conveyed and deposited at such distance outside the city limits as may prevent the possibility of any nuisance arising to persons residing within the city.

The contractor shall not deposit any of the substances required to be removed under this contract in any part of the city or within one half a mile of the same, without first obtaining the permission of the Board of Health in writing, under a penalty of fifty dollars. The Board of Health may, at any time, direct that the ashes, broken glass, oyster or clam shells and any other matter not injurious to public health, shall be deposited at either or both of the yards belonging to the Road Department or any other place or places of storage selected by the Board within the city limits, without charge to the city. The Board of Health being the sole

judge in the matters contained in this clause and whose decision shall be final and binding.

15. The contractor shall provide at his own risk, trouble, cost and expense a dump or dumps or depositing ground or grounds, outside the limits of the city of Montreal, at a distance of not less than one half a mile, for the reception of all refuse, garbage, offal and other offensive and objectionable matters as aforesaid, which may be removed from the dwellings and markets and may be sent to the said dump or dumps; and any or all claims for damages which may occur directly or indirectly through the obtaining or use of such dump or dumps or depositing ground or grounds, and any and all costs and charges incurred or in any way connected with the carrying out of the work, shall be borne by the contractor.

16. All claims which may be made against the city by householders, tenants, proprietors or other persons caused by or through the ignorance, neglect or refusal of the contractor or those employed by him, to comply with the laws, by-laws and police regulations of the city and regulations of the Board of Health or the rights of the citizens in general or in particular and also all claims which may be made against the city by any outside municipality or any inhabitants thereof, shall, if sustained against the city by any Court of Justice, be chargeable in full and with all costs thereby incurred to the contractor and shall be deducted from any monies which may be due or may hereafter become due to him for work done in connection with this contract, or the same may be deducted from his deposit or recovered from his estate or from his sureties.

17. The work shall be done to the satisfaction of the Board of Health, and the contractor shall be bound to observe all orders and instructions from the said Board communicated to him in writing.

18. The contractor shall report regularly every month to the Board of Health, the number of loads removed from the city and where the same has been deposited.

19. The contractor must report either by himself or by his deputy at the office of the Board of Health of the city of Montreal, all causes of complaint, at least twice a day, between the hours of ten and eleven o'clock, a. m., and three and four o'clock, p. m., or such other hours as the Board may order, and, at the same time, he shall take a list of all the complaints that may have been left at the said office by the sanitary police or others, and see that the said complaints are attended to without delay. All complaints of offal, ashes, etc., not having been removed, which are received in the office before eleven o'clock, a. m., must be removed on the same day; and when such complaints are received between eleven

o'clock, a. m., and four o'clock, p. m., the removal must be made before ten o'cleck, a. m., on the following morning. The contractor shall forfeit the sum of two dollars for every complaint neglected.

20. The contractor shall state in his tender the price per annum for which he agrees to perform the whole of the work described in this specification.

21. The contractor shall furnish the names of two persons who shall be approved by the said Board, as sureties for the due completion of the work as herein described and specified, and the persons so named shall sign their names to the tender and contract for this work, and the amount for which they shall so make themselves responsible will be the sum of four thousand dollars ($4,000).

22. Monthly payments shall be made to the contractor *pro rata* as to the price of his accepted tender upon the certificate of the Sanitary Inspector that the work has been done efficiently.

23. When the term *contractor* occurs in this specification it shall be taken to mean either one individual or a firm of two or more in a co-partnership; the words *he* or *his* shall refer to either one or the other: and the words *Board of Health* shall apply also to the Health Committee.

24. If any foreman, overseer or workman employed by the contractor shall, in the opinion of the Board of Health, execute his work in an unfaithful manner or should he interfere with the rights and privileges of citizens, or should he be found under the influence of liquor while performing his duties or inadequate to the performance of his duty or disrespectful or riotous in his conduct or be convicted of theft in any Court of Justice or be proved to have been insolent to any citizen whilst carrying out this contract or be found guilty by the Board of Health of throwing down with unnecessary force or misplacing any vessel in which offal, ashes, etc., has been set out; then the contractor shall immediately discharge the said person from his employ, and such person so discharged shall not be again employed on the work without the written consent of the Board.

The penalty attached to the violation of any of these requirements is a fine of five dollars for every day that such violation shall last, to be paid by the contractor, unless the said Board of Health prefer to cancel the said contract or perform the work themselves according to the provisions of clause No. 2, of this specification; and when vessels are broken by ill usage on the part of his employees, he shall replace the same at his own expense.

25. All the vehicles used in the conveyance of swill, garbage, etc., shall be covered to the satisfaction of the Board of Health.

26. In the event of any difference arising as to the meaning of

this contract, between the contractor and any citizen, the matter in dispute shall be referred to the Board of Health whose decision thereon shall be final and binding.

27. The Board of Health does not bind itself to accept to lowest or any tender.

28. No tender shall be received unless made out strictly in accordance with the form annexed.

29. The scavenging work shall be commenced at seven o'clock, p. m., and shall be completed each day at eight o'clock, a. m.

30. The contractor shall remove the offal, ashes, etc., whether mixed or not, but shall make the separate removal of the same whenever called upon to do so by the Board of Health in writing.

31. The said Board of Health shall itself be considered as following the views and orders of the Corporation of the city of Montreal until duly contradicted, and every part of the works is to be done to the satisfaction of the Board of Health and under the direction of the Sanitary Inspector, who shall have full power and authority to judge of the proper mode of executing the present contract in all which particulars the contractor shall follow the instructions of the Sanitary Inspector as well as in all inferior details and all other matters and things pertaining to the proper execution of the work.

32. The contractor shall pay the cost of a notarial deed or contract for the proper execution of the said work.

Specification for the cremation of the scavenging matter, forming a supplement to the specification for the scavenging work IN THE CITY OF MONTREAL.

1. The contract shall be carried out according to the specification at present in force, so far as the collection and removal of the scavenging matter is concerned.

2. The scavenging matter collected shall be cremated.

3. The terms " scavenging matter " as employed in this specification shall be understood to mean the offal, refuse, etc., etc., referred to in clause No. 6 and other clauses of the " Specification for the scavenging work in the city of Montreal " now in force.

4. The tenderer shall be required to give in his tender, a complete and explicit description of the process for cremating the said scavenging matter, which be intends to adopt; also he shall indicate therein the location he has selected for his crematory works.

5. One or more crematory stations may be established at the option of the contractor. For example: — He may have but one station which way be located to the north-west of the city; or two stations, one for the east, the other for the west of the city.

6. The crematory works may be placed within the city limits providing the tenderer guarantees to the satisfaction of the Board of Health, that the carrying on of the process will not cause a nuisance.

7. The said works shall be constructed in every particular to the satisfaction of the Board of Health, otherwise the Corporation of the city of Montreal may decline to enter upon the contract.

8. Should the Road Committee at any time require to use the residue left after the burning of the aforesaid scavenging matter, for road making or any other purpose, the said committee shall have a right to the same, but the contractor shall not be obliged to cart the said residue for the convenience of the said committee, the latter being required to send to the works for the same whenever it is needed.

TENDER

FOR THE SCAVENGING WORK IN THE CITY OF MONTREAL.

The undersigned having carefully read and considered the specification for the scavenging work in the city of Montreal in all its details and being possessed of the meaning and intention of the same, do..... hereby offer to perform and execute the whole of the work specified and described therein for the city of Montreal, and to furnish all materials, tools, implements, horses, carts, laborers and all other requirements necessary to carry out and complete the work named, and for the time and on the conditions stipulated in the said specification to the satisfaction of the Board of Health and the Sanitary Inspector, for the following price.....dollars per annum.

If this tender is accepted by the Board of Health and the contract for the said work awarded to .....hereby agree to execute the same in conformity with the true meaning and intent of the said specification and..... further agree that the sum of One Thousand Dollars which accompanies this tender shall remain with the City Treasurer as security for the due and proper execution of these presents and for the fulfilment and until the completion of the contract, and in default or failing on .... part, from any cause whatever to execute these presents or to enter into, to commence, carry out, fulfil and complete the work detailed in the said specification ..... further agree to forfeit to the city of Montreal the said deposit of One Thousand Dollars and that the Board of Health shall be at

liberty to accept the next lowest or any other tender or to advertize for new tenders or to take over and execute the work by their own employees without claim or compensation for any pretended loss on ..... part.

(Signature)

And we, the undersigned sureties,

.....

.....

do hereby agree and bind ourselves jointly and severally that..... ..... named in the above tender shall faithfully perform and carry out all and every the obligations mentioned in the said specification according to its true intent and meaning and in default of.....doing so, then to indemnify the city of Montreal for all loss and damage suffered in consequence of the default of the said ..... to the extent of four thousand dollars currency ($4,000).

Date.

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